# SONY. VTR IN CAMERA BVW-400P



MAINTENANCE MANUAL Volume 2 1st Edition (Revised 5) Serial No. 40001 and Higher

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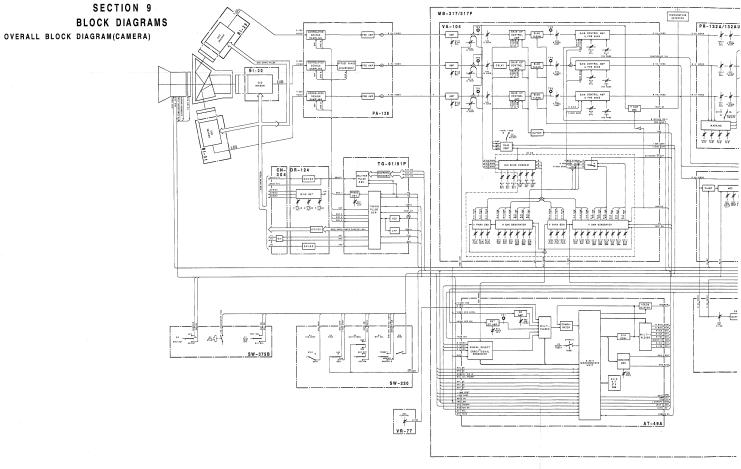
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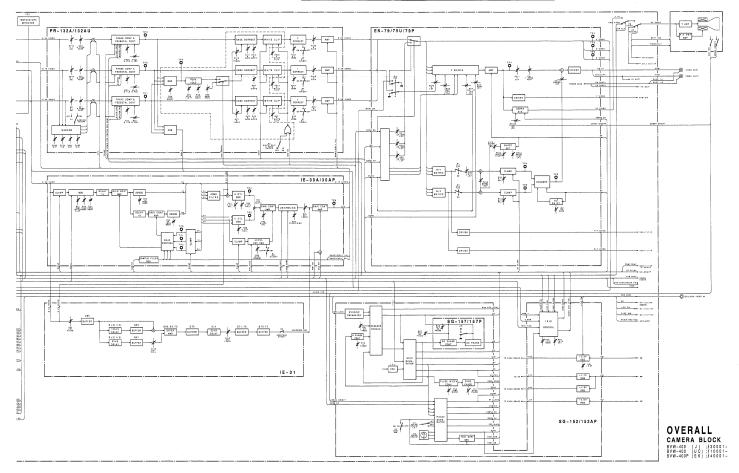
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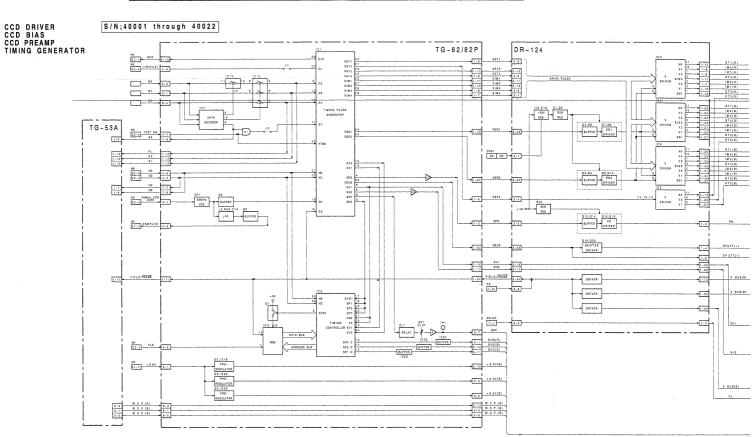
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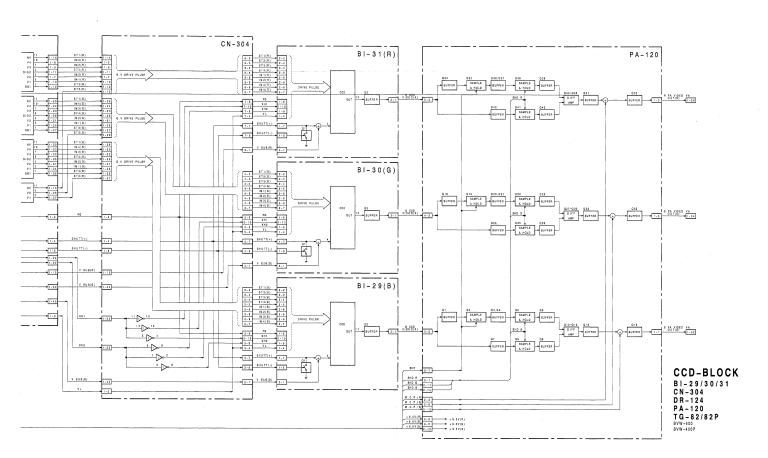


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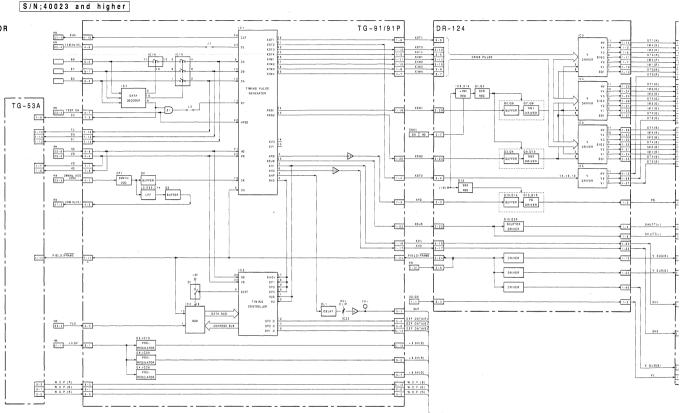


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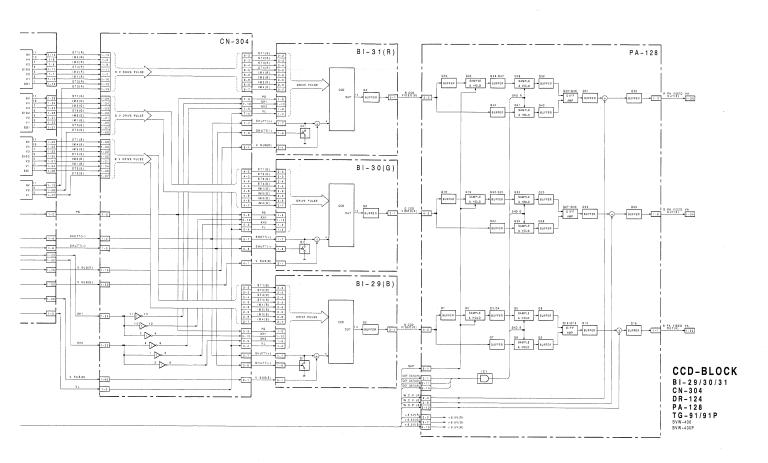




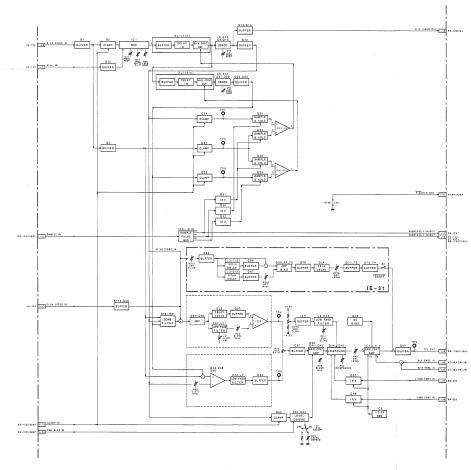
9 - 7 (a)



9 - 5 (b)

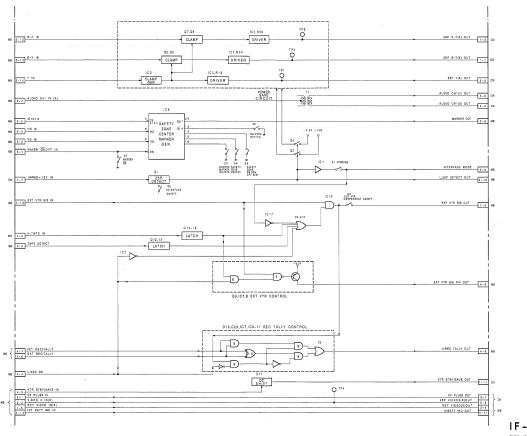


#### IMAGE ENHANCER



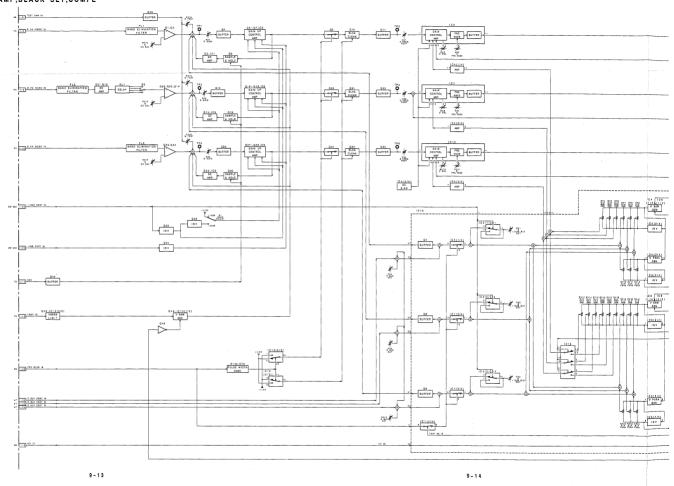
IE - 3 0 A / 3 0 A P IE - 3 1 CAMERA BLOCK BVW-400 BVW-400P

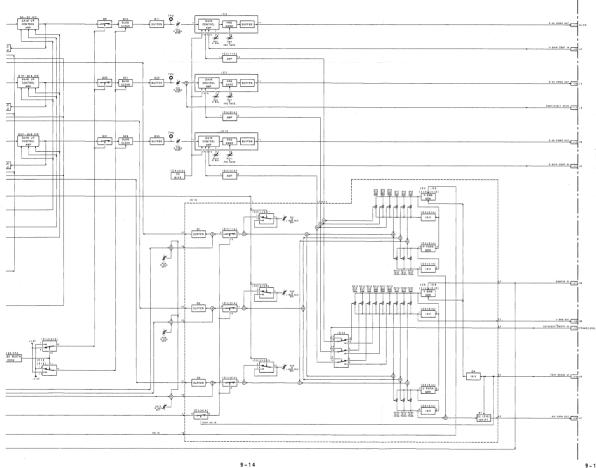
#### INTERFACE



IF-298 BLOCK

### VIDEO AMP, BLACK SET, COMPE





VA-104 CAMERA BLOCK BYW-400P

GAMMA, MASKING, KNEE, SLPE, W CLIP, DCC Q4.020.034 KAW **Q**TP4 Ö # # II \! ODAR NYS NYS NOTE SLOPE TRACE 84 15c Ö WHITE Z AVA # AV. ₹ ATS MANUAL KNEE SET Ö ICS(2/2), Q17

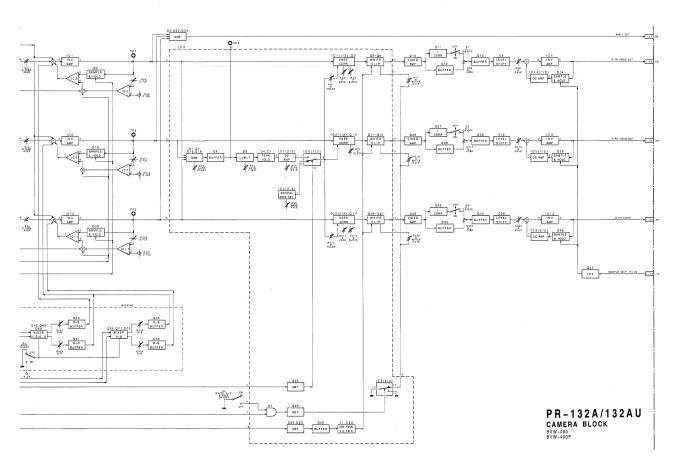
KNEE

CORR

AV.1 AV.12

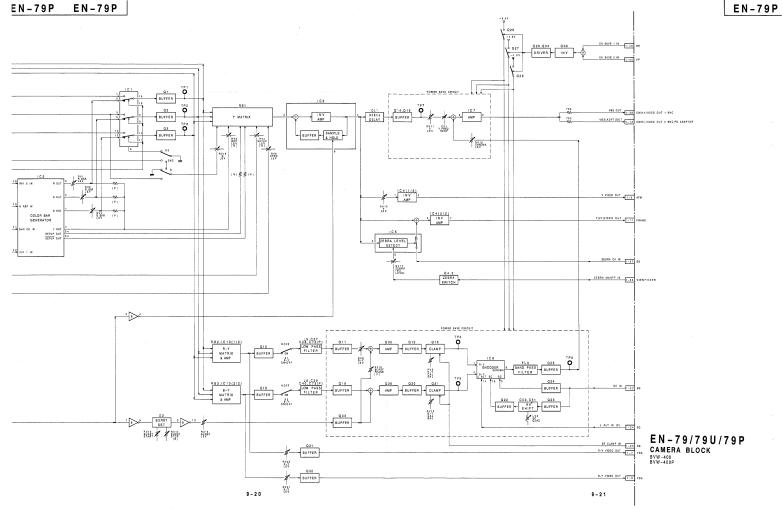
AV.1 AV.12

TOTAL VA 1-41 8 VA VIDEO IN 7 # W :# # W. T. 065 INV 5W-610 1-31 500 08/0FF IN

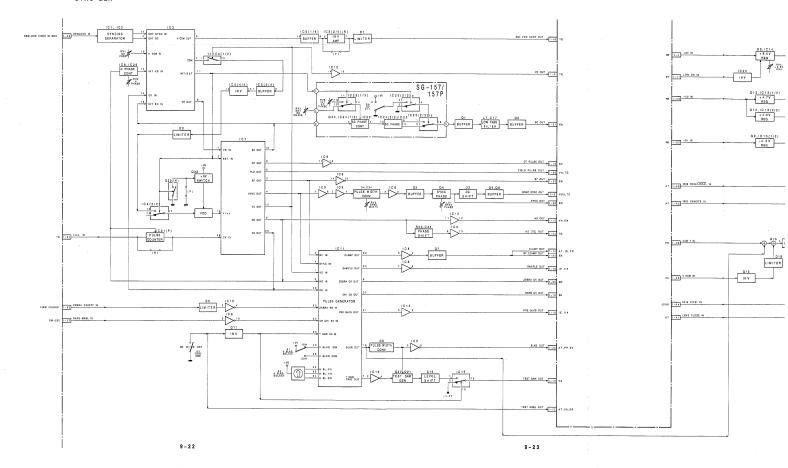


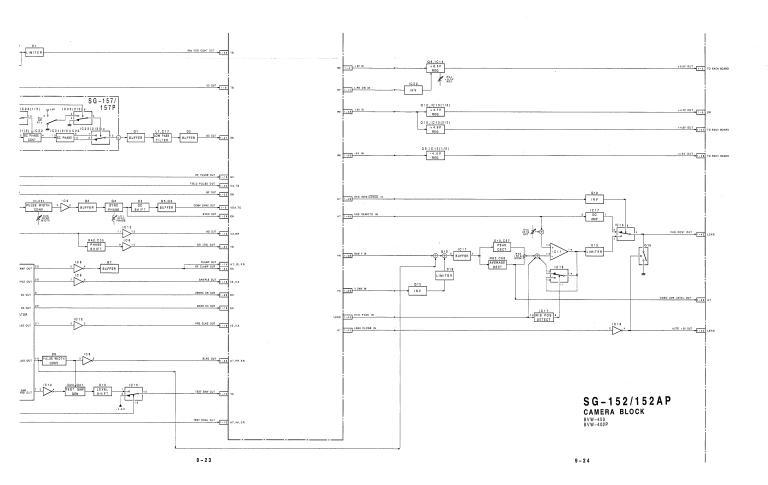
EN-79P EN-79P

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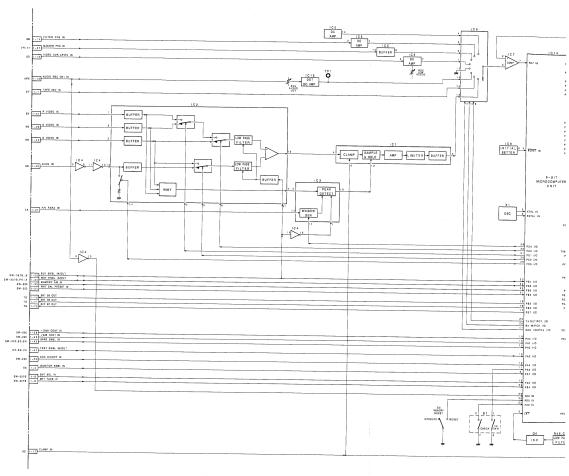


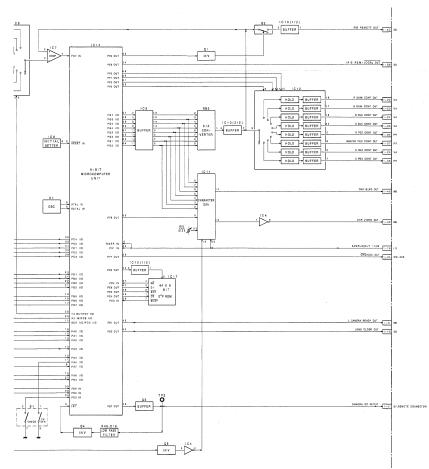
SYNC GEN





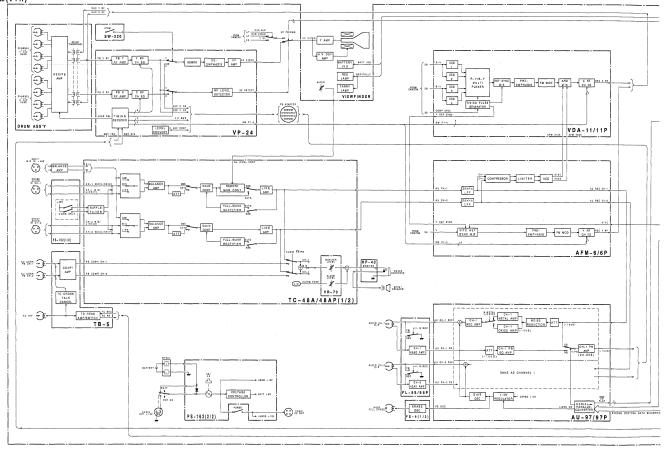
AUTO W/B,CHARA GEN,SYS-CON



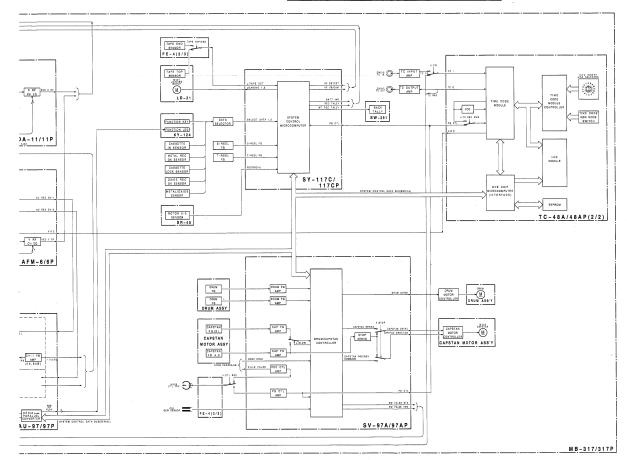


AT-49A CAMERA BLOCK BVW-400 BVW-400P

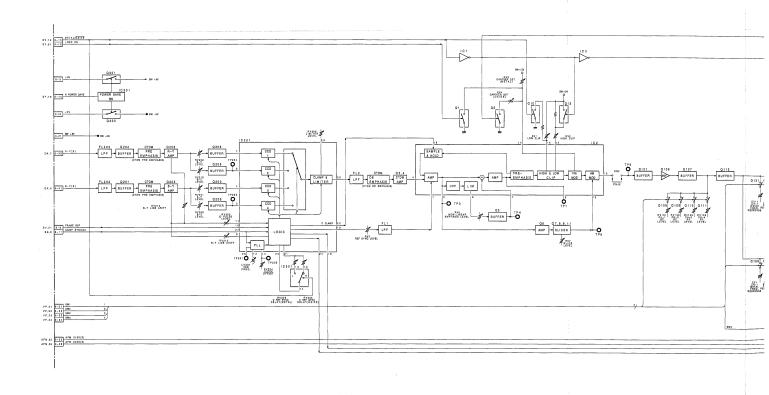
OVERALL BLOCK DIAGRAM(VTR)

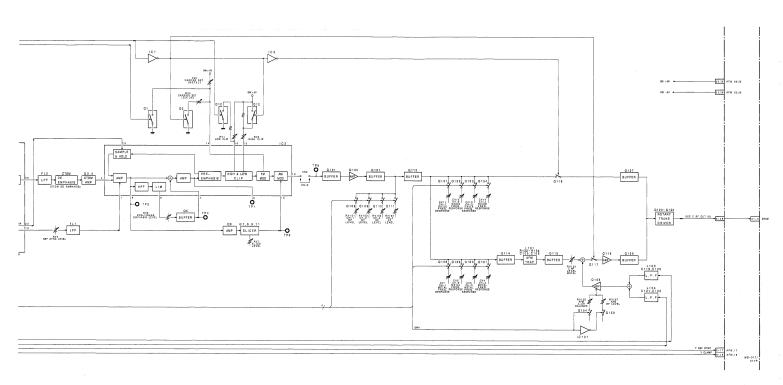


# OVERALL(VTR) OVERALL(VTR)

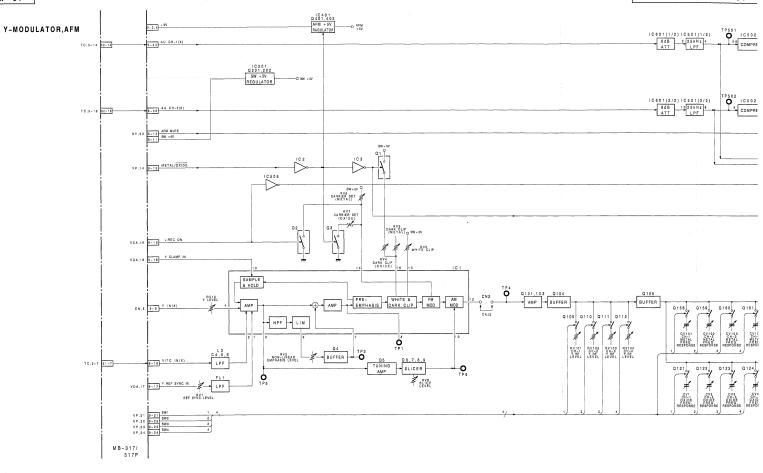


OVERALL VTR BLOCK BVW-400 BVW-400P

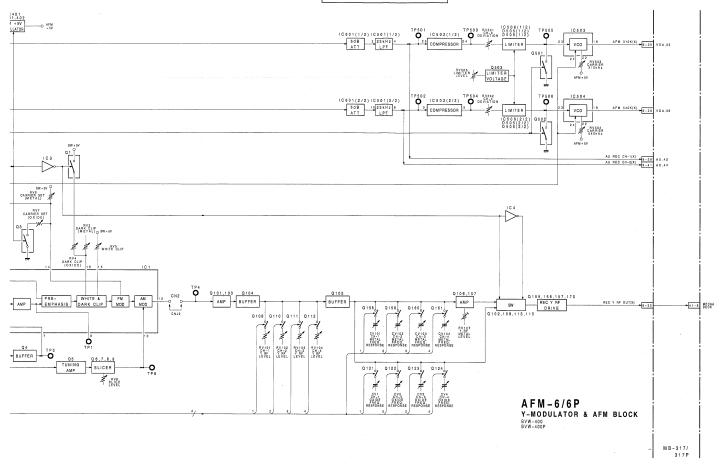


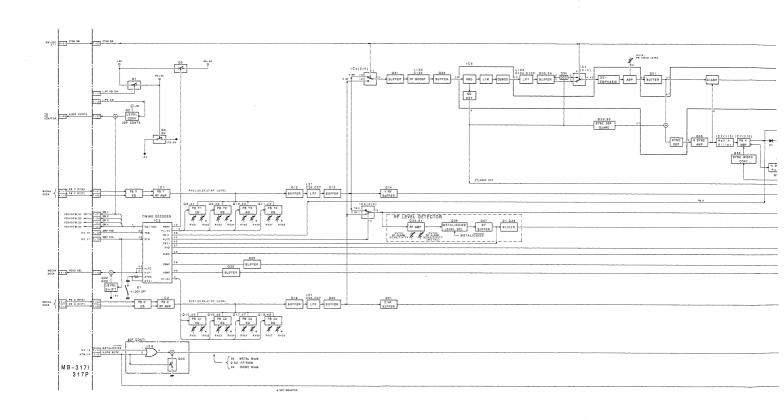


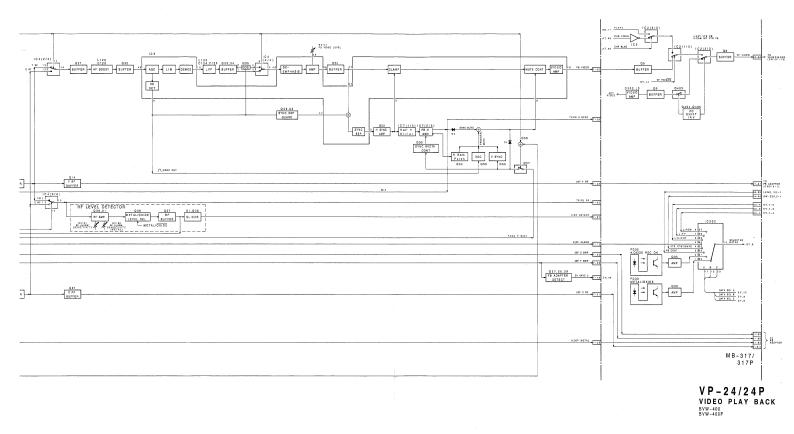
VDA-11/11P VIDEO BLOCK BVW-400 BVW-400P



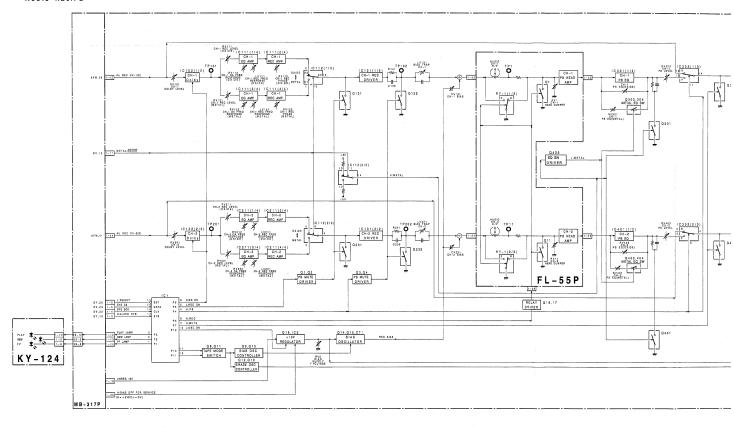
## AFM-6P AFM-6P

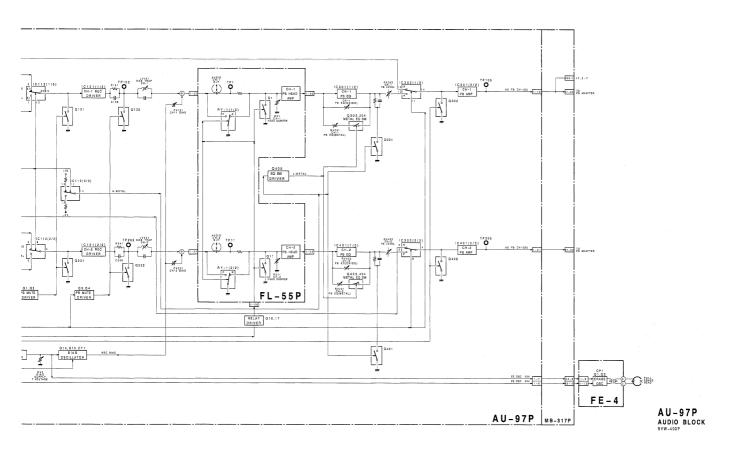




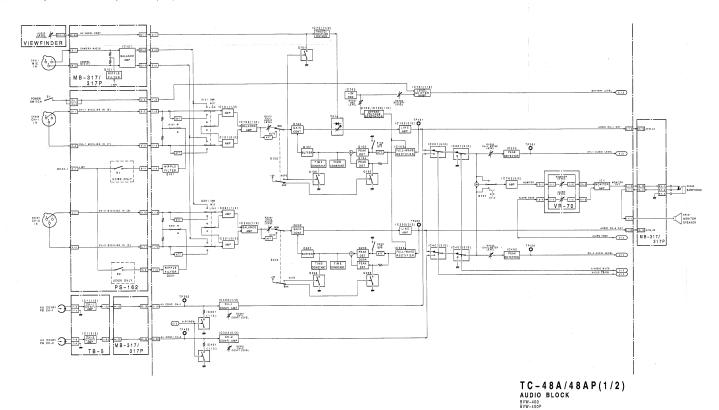


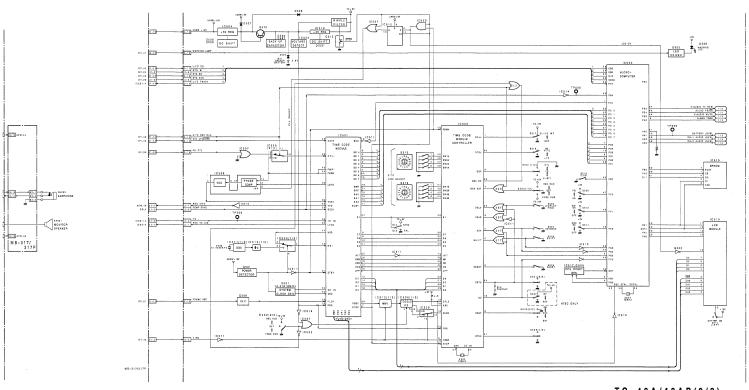






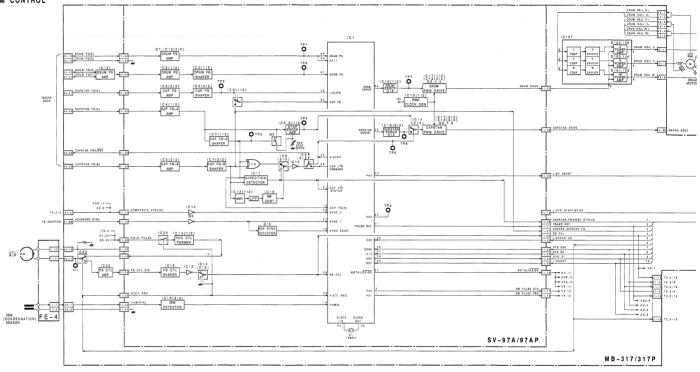
### TIME CODE, LEVEL CONTROL, MONITOR, SW, INDICATOR



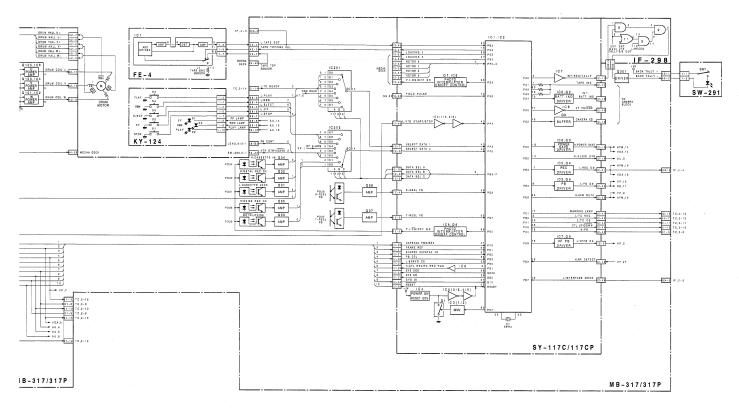


T C - 48 A / 48 A P (2/2)
TIME CODE BLOCK
BYW-400
BYW-400
BYW-400P

#### SERVO SYSTEM SYSTEM CONTROL



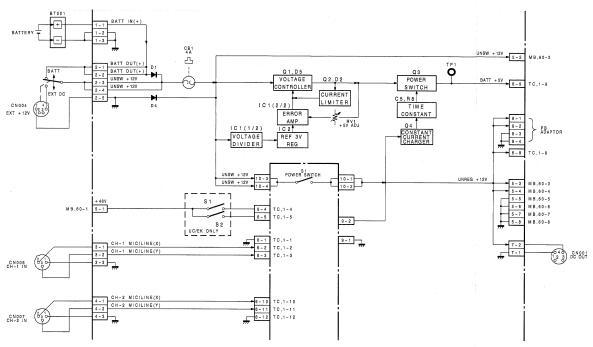
9 - 4 9



SYSCON/SERVO BLOCK

9 - 5 1

### POWER DISTRIBUTOR



PS-162
POWER SUPPLY BLOCK
BVW-400
BVW-400P

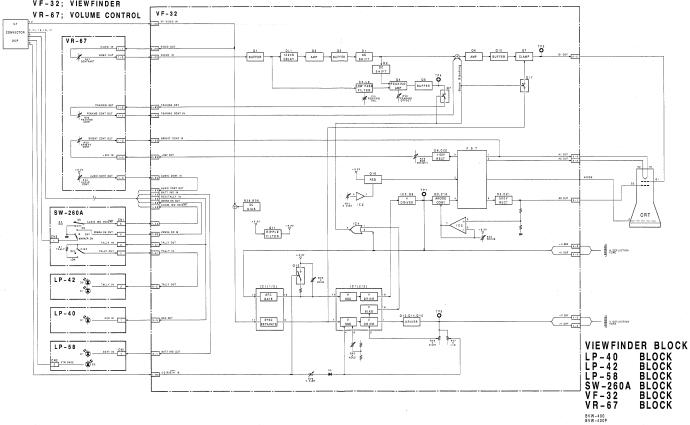
#### VIEWFINDER VIEWFINDER

LP-40: REC LED

LP-58; BATT/TALLY, VTR SAVE LED

LP-42; FRONT TALLY LED SW-260A: SWITCH BOARD

VF-32; VIEWFINDER



# SECTION 10 SEMICONDUCTOR ELECTRODES

ここに記載されているIC、トランジスタ、ダイオードは、それぞれの機能を等価的に表わしたものです。したがって互換 性を表わすものではありません。 (互換性のない型名が特定されている事もあります。) 部品の交換をする時は、SPARE PARTSの変を参照して下さい。

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

IC PAGE	IC PAGE	IC PAGE
AD707JR10-3	M5236L 10-23	TC40H004F10-27
AN6391NS10-3	M5236ML10-23	TC40H241F10-27
AN6701S10-3	MC14011BF10-23	TC4512BF 10-28
	MC14013BF 10-23	TC4S01F10-28
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BH1210 10-3	MC14051BF10-24	TC4S30F10-28
BH121310-3	MC14053BF10-24	TC4S69F10-28
BH1214 10-4	MC14069UBF10-25	TC4S71F10-28
BH1216 10-4	MC14071BF10-24	TC4S81F 10-28
BH1217 10-4	MC14538BF10-24	TC4SU69F10-28
BH121810-4	MC74HC4053F10-24	TC50H001F10-28
BH1219A 10-4	MC74HC4538F10-25	TC74HC14F10-28
BH1220 10-4	MN1237AD10-25	TC74HC4049F10-28
BH1221 10-4		TC74HC4053AF10-24
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BX1040 10-5	NJM064M10-25	TC7S04F 10-29
BX1179 10-5	NJM386M10-25	TC7S08F 10-29
BX135610-5	NJM4559M10-25	TL062CPS10-25
		TL064CNS 10-25
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CX2003010-6	RC2041MD10-26	TL7700CPS 10-29
CX20099 10-6	RC2043MD10-26	TLC27L2CPS
CX2201710-6	RC4556MA 10-26	TLC27L4CNS 10-29
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CXA1127M 10-10	S-81230AG-RB10-26	UPC358G2 10-30
CXD1216M10-10	SBX158810-26	UPC4558G210-26
CXD1217M10-10	SN74HC00NS10-26	UPC4572G2 10-30
CXD1128Q10-11	SN74HC244NS10-26	UPC78N77H10-30
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CXD800210-17	SN74LS123NS 10-27	
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CXP80116 10-21	TC4030BFHB 10-27	
	TC4049BF 10-27	
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等価回路はICメーカーのData Bookに従いました。

LA7205M .....10-22

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The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

TC4066BFHB ......10-27

TC4069UBF ...... 10-25

ransistor	PAGE	Diode	PAGE
2\$A812		1S1555	
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2SA1226	10-31	1S2836	
2SA1611		1S2837-T1	
2SA1462		155123	
2SA1463	10-31	155304	10-32
ZSB624	10-31		
2SB798	10-31	BR0035	10-32
2SB907	10-31		
2SC1009A	10-31	DA204U	10-32
2SC1623	10-31	DAN202U	10-32
2SC2713	10-31		
2SC2757	10-31	E10QS04	10-32
2SC2873	10-31	EBR3402S	10-32
2SC3360	10-31	ERA81-004	10-32
2SC3661	10-31		
2SC4177	10-31	GL-1HD1	10-32
2SC4178	10-31	GL-5LR40	10-32
2SC4213	10-31	GP-1854	10-32
2SD596	10-31	GP-2809	10-32
2SD1221	10-31		
2SD1615A	10-31	HSM88AS	10-32
2SK94	10-31	HZ?ALL	10-32
2SK209		HZ?A?L	
2SK508	10-31	HZ?BLL	
2SK612	10-31	HZ?B?L	
2SK620			
		RD??ESB?	10-32
3SK163	10-31	RD??EL?	10-32
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DTA114YK	10-31	RD??M	10-32
DTC114YU	10-31		
DTC114EU	10-31	SB01-05CP	10-32
DTA144EU	10-31		
DTC144EU		U05E	10-32
NTM2369		V09C	10-32
		V11?	

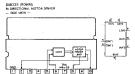
AD707JR (ANALOG DEVICES) AD707JR (ANALOG DEVICES) FLAT PACKAGE OPERATIONAL AMPLIFIER - TOP VIEW -



AN6701S IMATSUSHITA) FLAT PACKAGE TRANSPRATURE SENSING — TOP VIEW —

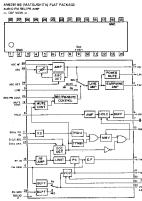






BH1210 (SDNY), VIDBO AMPLIFIEK — PRINTED SIDE VIEW —

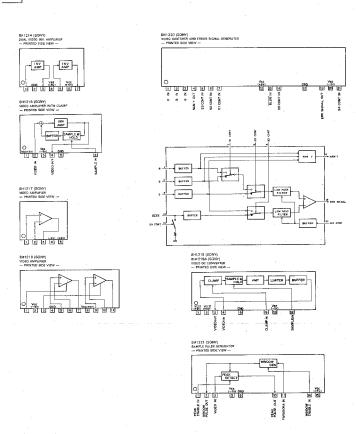


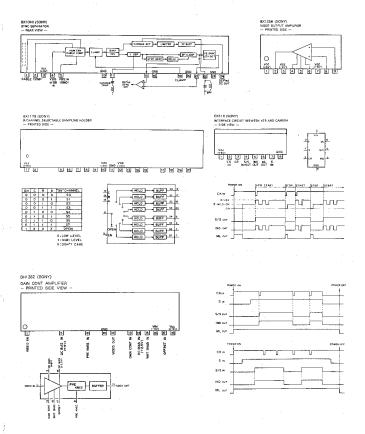


BH1213 (SQNY) WIDEG LEVEL DETECTOR — FRINTED SIDE VIEW —

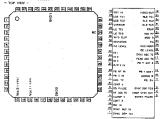




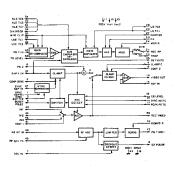






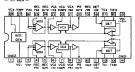


PIN NO.	100	SYMBOL	PIN .	IIO	SYMBOL.	PRN NO.	10	SYMBOL
1	-	SYNC SEP TC1	17	T	PEAKAGCTC	33		NLE TC1
2	0	COMP SYNC	18		BELEVEL	34	-	NC
3	7	SYNC SEP TC2	19	-	GNOZ	38	0	PEY CUT2
4	1	CLAMP C	20		THAP	36	. 1	DEVIATION
5	-	<b>BURST PULSE</b>	21	0	REC RF	37	1.1	2/PYIN
6		CONT2	22	3	SYNC AGC TO	38	1	PB LEVEL
7.	-	DOCTO	23	1	PG	39	0	REC YIDEQ
4	1	PB C	24	1	MODR	40	, 1	PBYIN
9	0	DOPULSE	25	- 1	LDE TC1	41	1	CONTI
10	1	DEMOD R	26	1	LDE TC2	42	1	IN1
11	-1	P9.5V	27		CARRIER	43	-	GND1
12	0	PB Y OUT1	28	7	LE TC2	44		IN2
13	-	Vee2	29	1	LE TC1	45		REF AGO TO
14	1	, MAA IM	30	1	WIDCLIP	46	1	IN3
15	1 5	Vsc1	31	ı	NLETCS	47	1	SYNC SEP IN
16	0	VIDEO CUT	32	-	NUE TC2	48	ÎΠ	PERFIN

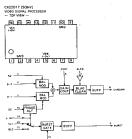


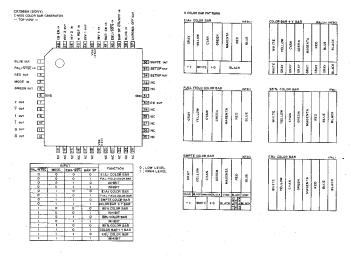
BENT PALAS : BURST PALAS WEST PAL

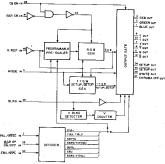
CX20098 [SONY] FLAT PACKAGE VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP

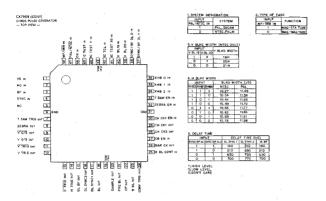


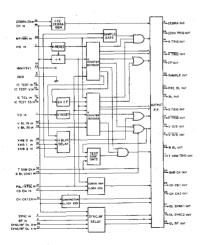
DET; DETECTOR
TC : TIME CONSTANT
TCH; TIME CONSTANT HOLD
VCA; VOLTAGE CONTROLLED AMP

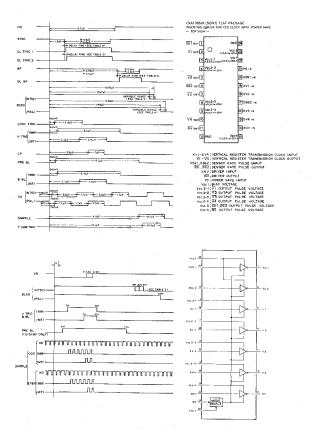


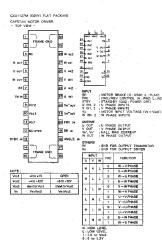


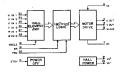










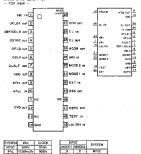


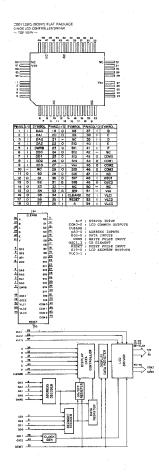
CXD1216M (SONY) FLAT PACKAGE C-MOS GENLOCK DRIVER - TOP VIEW -

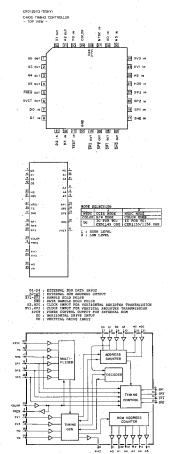


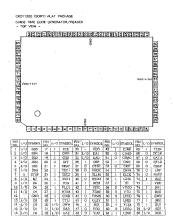
IN	PUTS	_					
MODE I MODE 2		١	EXT LOCK MODE				
0	0	MI	PAL: VBS				
1	1 0	M 2	PAL-MIVOS				
0		1	PAL: VS/SC/LAU				
		M S	SECAMOVS/SC/LA				
		144	NTSC:VBS				
	1		NTSC: VS/SC				
			PAL-MOVS/SC/LAL				

CXD1217M (SOWY) FLAT PACKAGE C-MOS SYNC GENERATOR - TOP VEW -

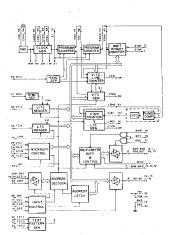








10 12 13



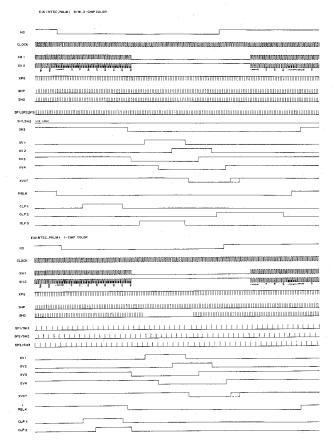


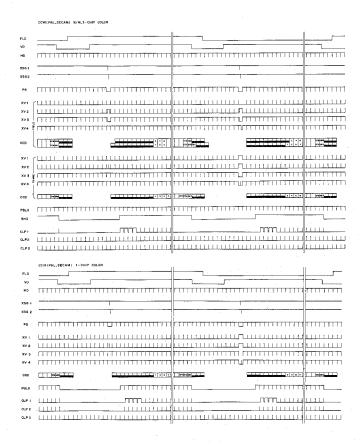


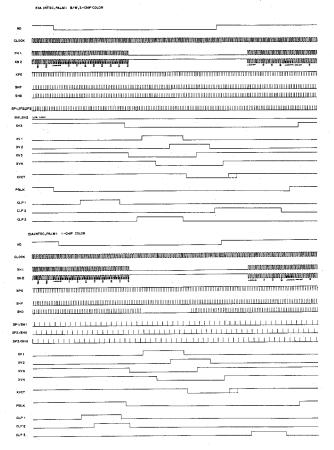
CDSY LISP HUSY

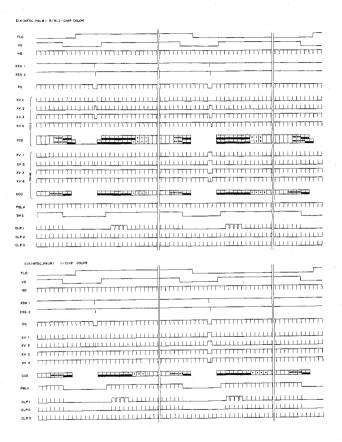
BEN BOT

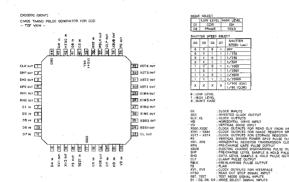
CKIN 70 SLCK 71 GCSi 72

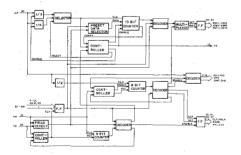


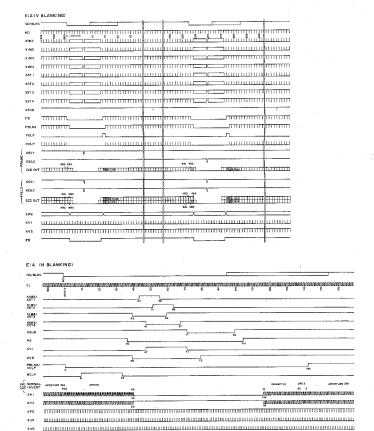




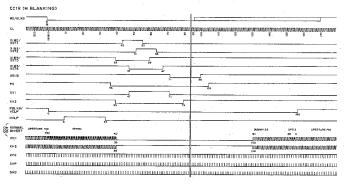


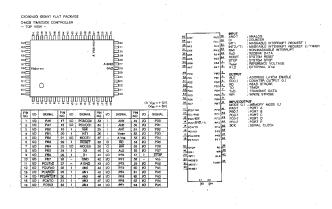


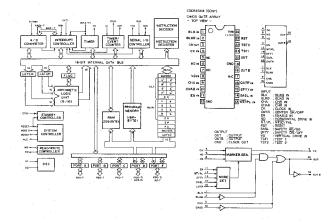


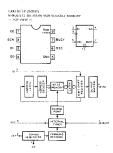


CCIR	(V BLANKING)									
VD/BLE										<b>—</b>
но	unin mini	<del>nığınığı</del> ı	THE E	प्राचित्रा	11	111111111111111111111111111111111111111	mmm g	THE E		шшіл
XIM I	ــــــــــــــــــــــــــــــــــــــ	1	<u> mintarrin</u>	щш	щ				шин	шшш
XIM2	шиши		ининии	щш	ախ				تتقتيينا	سسس
XIM2	пиппп		mmmi	1111111	m	шшш			ппппппппппппппппппппппппппппппппппппппп	ппппп
XIM4		r	minu	п	пф	111111111				шшт
XST1	шшшш		шиши	سسب	щ	шүшс	_1		шшш	шшш
XST2	шшшш	ш	шишш	шш	щh		1		штип	шшш
XST3	TTTTTTT	J	THE PERSON NAMED IN COLUMN	ПППП	Πþ	ппипп∟			шшш	пппппп
XST 4	mmmm—		ппппппппппппппппппппппппппппппппппппппп	П	m				шшш	шин
XSUB				1	7					
PS	ппинпп		_111111111111	прпп	Шþ	тппп			шш	11111111
PBLKG	mmm			ПППП	П				mmm	mmm
YCLP					+			Л	-	
HOLP	Шиши		Пини	иши	щ	шшш			шшш	шшш
X961					┪					_
X502	579 591	T			7	580 582				
T 667			BEERRE 46000	Щш	щ	1031 TO 1115		(1001300)	NOT	
XSG1		Л			7					
X582	500 562	Λ				579 201	F			
50°F	HIIII H								2 4 5 6	HHH3
XPG	579 081		X		-	980 102				
XV1	dimenun	шшш		سسلين	بإنت	шини	шиш	шшшш	шш	шшш
xva			rimmnii Mariantii	П	mh	mim	шш	ппанн	munic	пппп
FS					+					





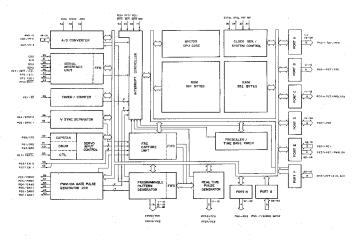


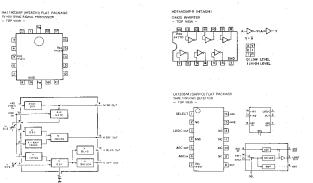


					$(V_{00} = + 5V)$
PIN NO.	100	SYMBOL	PIN NO.	IIO	SYMBOL
1	0	PA1/PPO1/A9	41	T .	PFGS11
2	0	PAG/PPCG/AB	42	IKO	PF5/901
3	0	PD7/PPO16/AZ	43	IIIO	PP4/SCX1
4	0	PBs/PPO14(Ati	44		PF3/AN7
- 6	0	PBS/PPD13/AS	45	-	PFZVANB
6	0	P84/PP012IA4	46	7	PETANS
7	0	P03/PP0116A3	47	T	PEQAN4
8	0	P82PP010042	48	- 1	AN3
9	0	PELPPOGAL	49		AN2
10	0	PBS/PPC6/A0	50		AN1
11	10,0,00	PC7/RT07/07	51	1	ANO
12	04,0,04	POSPITOGOS	50	-	A-QND
13	10,0,00	PCSFTCSCS	53	-	A-Voue
14	10,0,00	PC4RTO4D4	54	-	A-Van
15	10,0,00	PCARTOACU	55	-	PG7/EXII
16	10,0,00	PC2PP018/D2	56		PG8/EXXX
17	10,0,00	PC1/PPD17/D1	57		PGMSYNC1
18	10,0,10	POMPPO16(DO	50	- 1	PG4/SYNCO
19	10.0	PD7/RALT	133	-	POWERCH
50	10.0	PONTRO	60		PG2/OPG
21	10.0	PDS/BAK	61		PO1/OFG
22	10.0	PONEYHO	62		PGOCFG
23	180.0	PDate	63	Ò	PE7/DAB1
24	10.0	PD2R/W	84	0	PE6CAB5
25	10.0	PD1/WB	63	0	PES/QAA1
26	10.0	PDDRSS	66	ō	PEACAAA
27	0	PHS	67	D	PE3PWM1
28	•	PH2	68	0	PE2PWM0
29	0	. PH1	63		PELECINITY
10	0	PHO	70	1	PEDINTO
51		NP	71		NAS
32	1/0	RST	72	-	Veb
53		GND	73	-	GNO
34	0	XTAL	74		NC
35		EDITAL	75	0	PA7/PPO7/A15
36		CS0	76	0	PAGPPONA14
37	-	\$14	77	ō	PASIPPOSIA13
38	Ö	900	78	0	PASPPOSA12
20	10	SCKD	79	0	PA3PPO3IA11
40	1	PP7/NTIXES	203	0	PARPPORATO

| Comparison Control | Con







10 SEMICONDUCTOR ELECTRODES INHBIRIN

LM2903M (RAYTHEON) FLAT PACKAGE DUAL VOLTAGE COMPARATORS - TOP VIEW -



LM2904M (NSC) FLAT PACKAGE OPERATIONAL AMPLIFIER



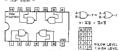
M5236L (MITSUBISH) AGJUSTABLE VOLTAGE REGULATOR



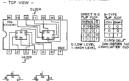
M5236ML (MITSUBISHI) ADJUSTABLE VOLTAGE REGULATOR



MC14011BF (MOTOROLA) FLAY PACKAGE C-MOS 2-INPUT NAND GATE - TOP VIEW -



MC14013BF (MOTOROLA) FLAT PACKAGE
CMOS D-TYPE FLIP-FLOP WITH DIRECT SET/RESET
- TOP VIEW -

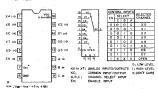


MC14046BF (MOTOROLA) FEAT PACKAGE

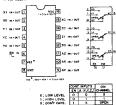




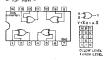
MC14051BF (MOTOROLA) FLAY PACKAGE
CMOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
- TOP VIEW -



TC4053BF (TO5HIBA) FLAT PACKAGE TC4053BFHB (TO5HIBA) FLAT PACKAGE MC14053BF (MOTOROLA) FLAT PACKAGE C.MO8 2: CHANNEL MULTIPLEXEN/DEMOLTIPLEXEN — TOP VIEW —

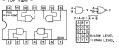


MC14070BF (MOTOROLA) FLAT PACKAGE CMOS EXCLUSIVE OR GATE TOP VIEW -

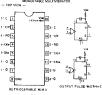




MC140818F (MOTOROLA) FLAT PACKAGE CMOS 2-INPUT AND GATE - TOP VIEW -



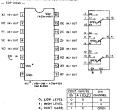
TC4538F (TOSHIBA) FLAT PACKAGE TC74HC4538F (TOSHIBA) FLAT PACKAGE MC14538BF (MOTOROLA) FLAT PACKAGE C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSYABLE MULTIVIERTOR





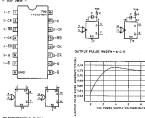


MC24H040B3F (MOTOROLA) FLAT PACKAGE FC74H040B3AF (TOSHIBA) FLAT PACKAGE C-MD3 2-CHANNEL MULTIPLEXER/ODEMULTIPLEXER — TOP VIEW —





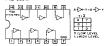
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR - TOP VIEW --



RETRIGGERALE MAY

TC4069UBF ITOSHIBAI FLAT PACKAGE MC14069UBF IMOTOROLAI FLAT PACKAGE

C-MOS INVERTER



NUNDG2 M (JRC) FLAT PACKAGE TUDS2CPS (TI) FLAT PACKAGE OPTRACIONAL AMPLIFIER (JFET INPUS)



NUMBER I JRC) FLAT PACKAGE FUSSICHS (FI) FLAT PACKAGE OPERATIONAL AMPLIFIER (J FET INPUT) = 10P VIPW =



NUMBERN (JRC) FLAT PACKAGE AUDIO POWER AMPLIFIER



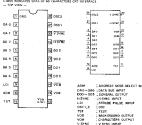
NJM4589M (JPC) FLAT PACKAGE OPERATIONAL AMPLIFIER

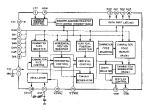


MN1237AD (MATSUSHITA)

C-MOS INDICATES DATA OF 60 CHARACTERS ORT INTERPACE

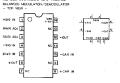
— YOP VIEW —





# ABCDEFGHIJ KLMNOPQRST UVWXYZ 0123456789 .:--?/ПП

RCI498M (RAYTHEON) FLAT PACKAGE



RC2041NO (RAYTHRON) FLAT PACKAGE



HCXX43MD (HAYTHEON) PLAT PACKAGE OPERATIONAL AMPLIFIER - TOP VIEW -



INC4556MA (RAYTHEON) FLAT PACKAGE OPERATIONAL AMPLIFER (WIDE BAND, DECOMPENSATED) - TOP VIEW =



PICHSSIM (RAYTHEON) FLAT PACKAGE UPCASSEG2 (NEC) FLAT PACKAGE OPERATIONAL AMPLIFER — TOP VIEW —



 $8\text{-8054}\,\text{HN-CB}$  [SEIKO] +69 VIQUITACE DETECTOR WITH N-CHANNEL OPEN DRAIN OUTPUT — TOP VIEW —



S-81230AG-RB ISEIKOI FLAT PACKAGE THREE TERMINAL POSITIVE VOLTAGE REGULATOR — TOP VIEW —



OUTPUT 9-8127777-77

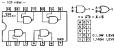
+2.5V 5-81225A6-RH
+2.0V 5-81236A6-RB
+5.0V 5-81236A6-RD



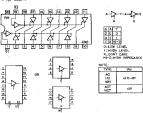
SEX1588 (SONY) VIDEO AMPLIFIER



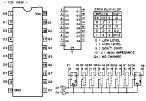
SN74HCOONS (TI) FLAT PACKAGE C-MOS 2-INPUT NAND GATE



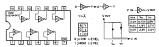
SN74HC344NS (TI) PLAT PACKAGE
CMOS BUS BUFFER WITH SSTATE OUTPUTS
TOP WEW TO

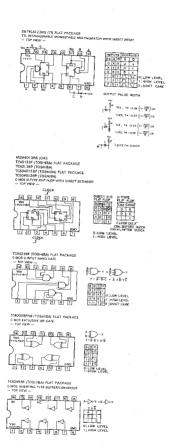


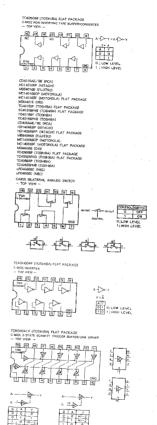
SN74HCBT4NS (TI) ( $V_{\rm th} \approx +2$  to +6V) FLAT PACKAGE CMCS 3-STATE D-TYPE EDGE-TRIGGERED FUP-FLOP - TOP VIEW -



SN74HC14NS (TI) FLAT PACKAGE C-MOS SCHMITT TRIGGER INVERTER - TOP VIEW -



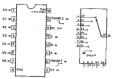




HIGH IMPEDANCE

HIGH IMPEDIANCE

TC45128F (MOYOROLA) FLAT PACKAGE C-MOS 8-CHANNEL UNIA SELECTORYMULTIMIEXER — TOP VIEW —





TC4501F (TOSHIBA) FLAT PACKAGE C-MOS X-NAPGI NOR DATE -- TUP VIEW --





TC4S90F (TOSHIBA) FLAT PACKAGE C-MOS EXCLUSIVE OR BATE - TOP WEW -



TC4589F | TOSHIBA| FLAT PACKAGE TC45U89F | TOSHIBA| FLAT PACKAGE G-MOS INVENTER BUFFER — TOP VIEW —



TC4571F(TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT OR GAZE — TOP VIEW —

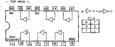


YOUSSIF (YOSHIBA) FLAT PACKAGE

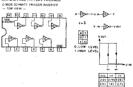
TC4SETF (TOSHEA) FLAT PACKAG CMOS 2:NPUT AND GATE - TOP VIEW -



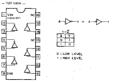
TCSOHOO1F (TOSHIBA) FLAT PACKAGE C-MOS NON-INVERTING TYPE BUFFER/CONVERTER — TOP VIEW —



TC74HC14F (70SHIBA) FLAT PACKAGE SN74HC14NS (TI) FLAT PACKAGE



TC74HC4049F (TOSHIBA) FLAT PACKAGE C-MOS HEX BUPFER/CONVERTER (INVENTING)



SC7504F (MOTOROLA) FLAT PACKAGE TC7504F (TOSHBA) FLAT PACKAGE CMOS INVERTER = TOP VIEW =



TC7508F (TOSHIBA) FLAT PACKAGE C-MGS SINPUT AND GATE -- TOP VIEW --

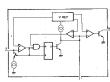


TL072CPS (T) FLAT PACKAGE OPERATIONAL AMPLIFIER (LOW-NOISE, JIET-IMPUT) --- TOP VIEW ---



TL7700CPS (TI) FLAT PACKAGE VARIABLE SUPPLY VOLTAGE SUPERVISOR — TOP VIEW —





TLC272OP (TI)
TLC272OPS (TI) FLAT PACKAGE
TLC270P (TI) FLAT PACKAGE
TLC270P (TI) FLAT PACKAGE
TLC271ACPS (TI) FLAT PACKAGE
GERATICHAL AMPLIFER
- TOP FLET
- TOP FLET
- TOP FLET
- TOP FLET



TLC27L4CN -(TI)
TLC27L4CNS (TI) FLAT PACKAGE
TLC27M4CNS (TI) FLAT PACKAGE
TLC27M4CNS (TI) FLAT PACKAGE
CMOS OPERATIONAL AMPLIRER
TOP VIEW —



#PC1663G (NEC) FLAT PACKAGE WIDEBARD VIDEO AMPLIFIER -- TOP VIEW --



#PC311G2 (NEC) FLAT PACKAGE VOLTAGE COMPARATOR ~ TOP VIEW —





UPC4567C (NEC)
UPC4572G2 (NEC) FLAT PACKAGE
OPERATIONAL AMPLIFIER (MIDE BAND, LOW NOISE)
- TOP VIEW -



WPC7BN 7 7H [NEC]
POSITIVE VOLTAGE REGULATOR
— MIGNT VIEW —



uPC81282 (NEC) FLAT FACKAGE



## TRANSISTOR

700 WWW (20ALE 477)
2502873
2501815A

2534612

28A1226 28A1621 28A1611 25A812 25A812 25A812

TOP VIEW ISCAL & 4/1)

380.63

2SA1463 SEGUE 677 TOP VOEW 2SK620

70P VICE BCALE 4711

OTALIAYK
(R) = 10K, R2 = 47K)

DTA 1.44EU

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25501221

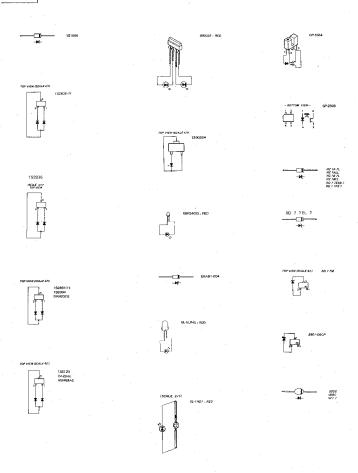
DTC114EU (R1 = 10K, R2 = 10K)
DTC114YU (R1 = 10K, R2 = 47K)
TOP VICE (SCALE 41)

2901029 2001623 2001623 2002713 2002713 2002713 200413 200413 200413 200413 200413 25K94

or view (SULLE 4/1)

DICHAGE

FILL MAY: P2 - 4/11)



# SECTION 11 SCHEMATIC DIAGRAMS

回路図内において、REF.NOの近傍に下記記号が記載されていますが、これは生産時の部品データです。

In the schematic diagrams, the following marks are described near by reference number. These are parts data at factory.

#### CAPACITOR(C) ΑL ) ELECTROLYTIC CARBON AS RD TA > TANTALUM RF } FUSE CA RN METAL CC RS ccs CERAMIC RW } WIREWOUND CM CS

MPS PР

PS

РΤ

MYLAR

MD ) DIPPED MICA

MS } MICA

RESISTOR(R) VARIABLE RESISTOR(RV)

BI-30 CCD mount BI-31 TG-82P Timing Generator SERIAL No. 40001-40022 TG-91P Timing Generator SERIAL No. 40023 and higher PA-120 Pre-amp(Sample & Hold) SERIAL No. 40001-40022 PA-128 Pre-amp(Sample & Hold) SERIAL No. 40023 and higher DR-124 CCD Driver VA-104 Video Amp.Black Set.Total CAMERA Gain Chage Shading Compensator IE-30AP Image Enhancer IE-31 Aperture PR-132A Gamma, Masking, Knee, Slope, W.Clip.Dvnamic Contrast Control EN-79P Y/R-Y/B-Y Signal Generator for VTR.Encoder. Color Bars Generator SG-152AP Sync Generator, Genlock for SG-157 TC, Sub-regulator AT-49A Auto white/black Function. VF Character Generator. System Controller, Audio Level Detector SW-220 SAVE-STBY.Color Bars ON/OFF. DCC ON/OFF. Memory A/B/Preset SW SW-357B Auto White/Black SW VTR Start/Stop SW Shutter ON/OFF Select VR-77 Master Black VR

> IF-298 26P Interface, Logic VF Marker Gen.

# CIRCUIT FUNCTION OF THE SCHEMATIC DIAGRAMS CIRCUIT FUNCTION

CN-304 Connector PCB for BI-29.30

and 31

SYSTEM CIRCUIT

BOARD

B1-29

SYSTEM	CIRCUIT BOARD	CIRCUIT FUNCTION
VIDEO	VDA-11P	CTDM and C-Modulator
	AFM-6P	Y-Modulator, AFM
	V P - 24 P	Video Playback, Head Select Pulse Generator
	AU-97P	Audio REC/PB Processor
AUDIO	T B - 5	Terminal Board, Audio Confi PB
	FL-55P	Audio Head AMP,Relay Board for TB and A/T Head
SERVO	SV-97AP	Drum/Capstan Servo
SYSTEM	SY-117CP	System Control
CONTROL	KY-124	Function Key Board
TIME CODE	TC-48AP	Time Code Generator, Audio Level Control, Audio Monitor AMP, SW and Indicator for Audio and TC
	VR-70	Volume .
POWER	PS-162	Power Distributor
SENSOR	FE-4	Full Erase, Dew and End Sensor
	LD-21	Loading Motor Driver and END Sensor
	SR-40	Mechanical Position Sensor

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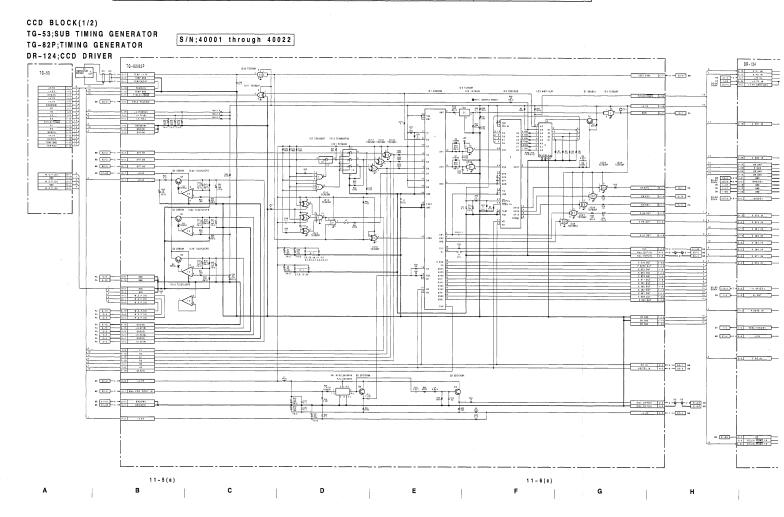
o Confi Pl elay Boar ad

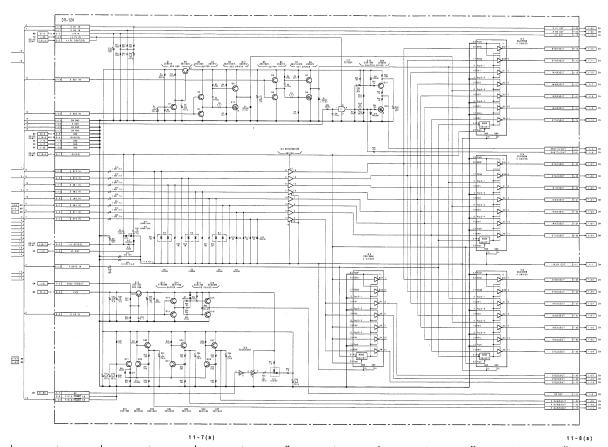
tor, Audio tio Monitor ator for

End Sensor er and END on Sensor

	SYSTEM	CIR CUIT BOARD	CIRCUIT FUNCTION
		MB-317P	Mother Board
	OTHERS	SW-291	Back Tally
		F L - 45	Relay Board for MB and TC
		FL-46	Relay Board for MB and TC
		FL-53	Relay Board for TB and SR
		FL-57	Relay Board for PS and TC
		EX-148	Extension Board

SYSTEM	CIR CUIT BOARD	CIRCUIT FUNCTION
	VF-32	Drive and Video Amp for Viewfinder,Peaking Signal Generator
	LP-58	BATT/TALLY, VTR SAVE LED
VIEW-	LP-40	REC LED
FINDER	LP-42	Front Tally LED
	VR-67	Contrast, Bright, Peaking, Audio Level (CH-1) VR
	SW-260A	Tally ON/OFF, Audio Level Indicator ON/OFF,
		Zebra/Marker ON/OFF SW

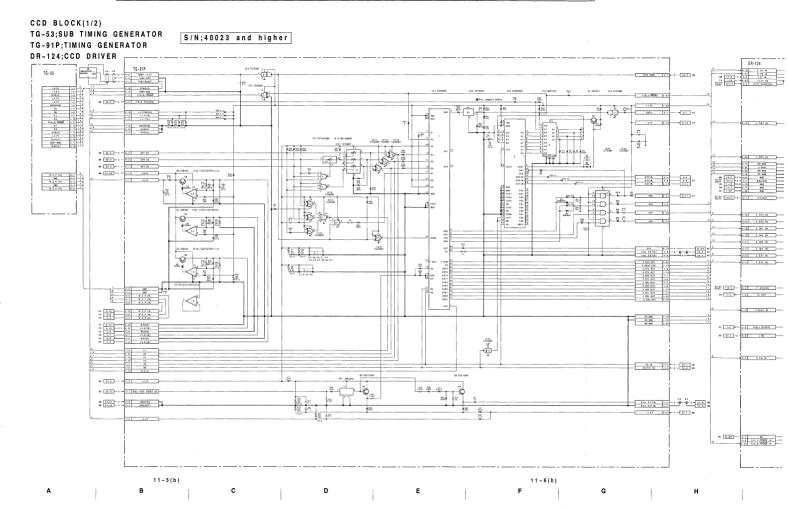


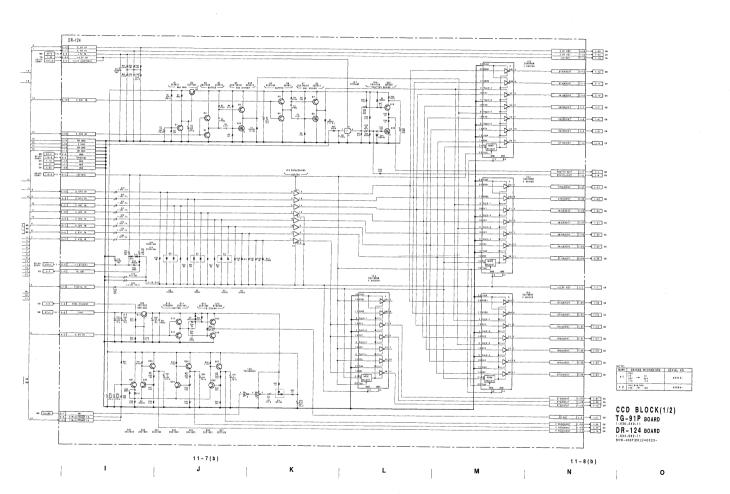


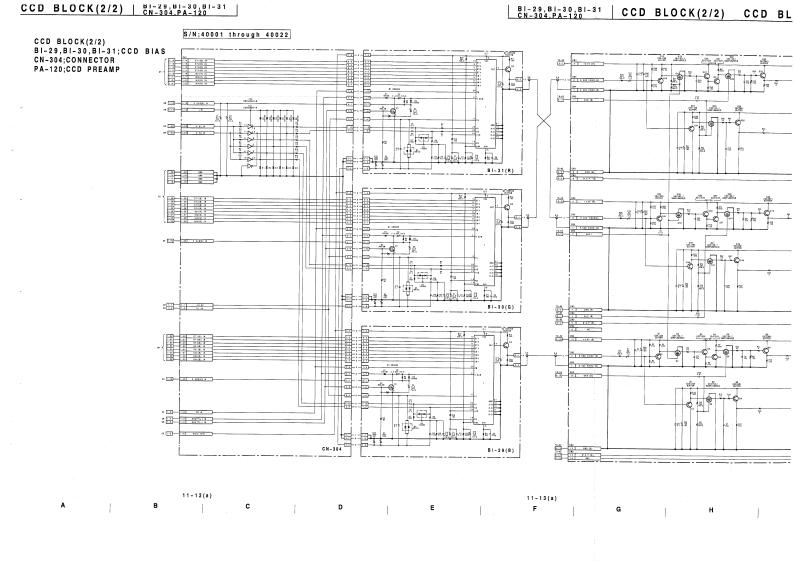
CCD BLOCK (1/2) TG-82/TG-82P BOARD DR-124 BOARD 1-834-882-11 BWW-400(UC): 110001-30114 BWW-400(UC): 110001-10001 BWW-400(UC): 110001-10001

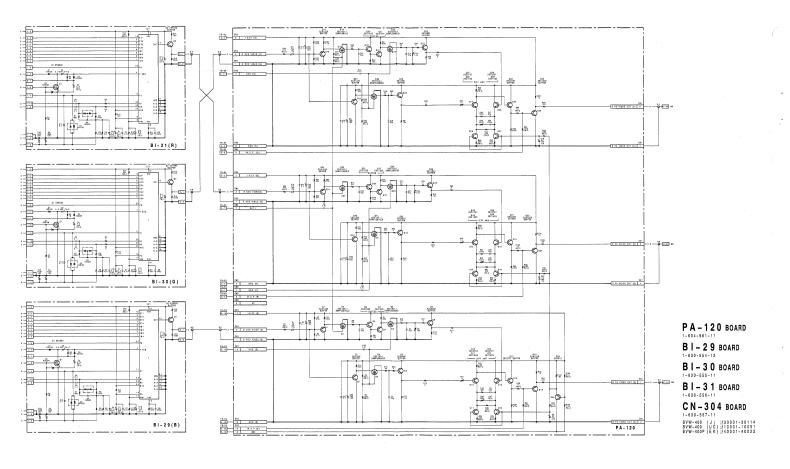
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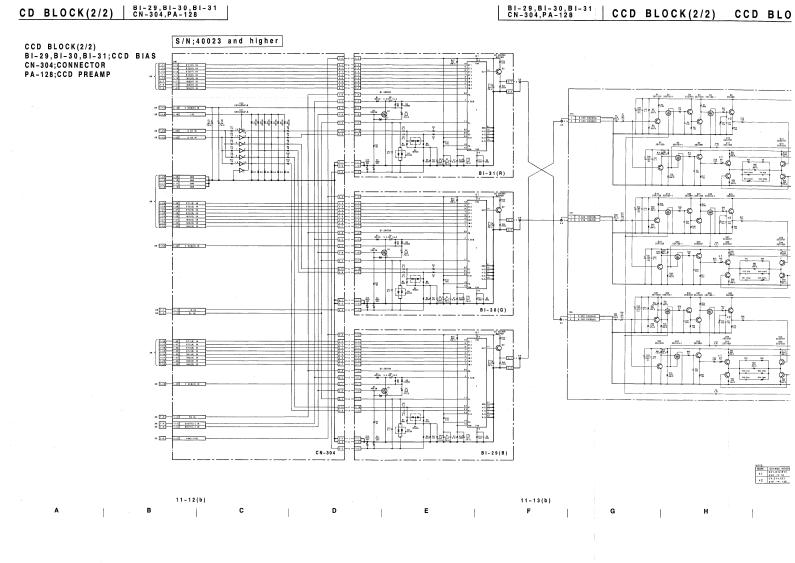


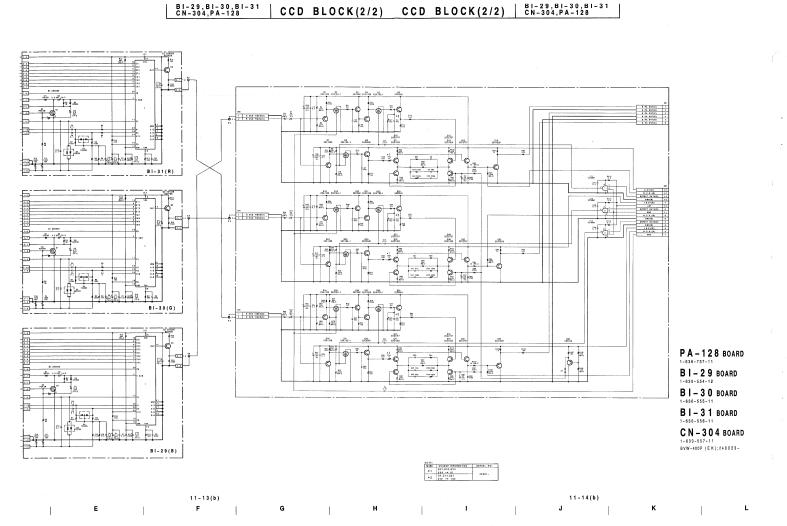


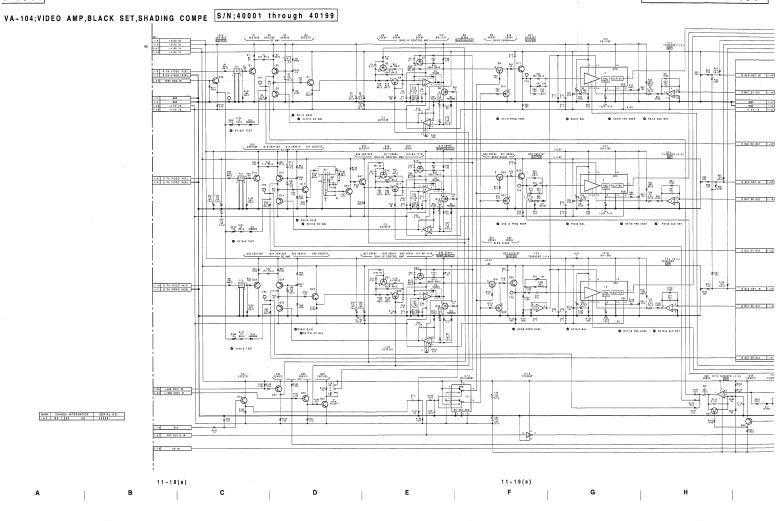
11-13(a)

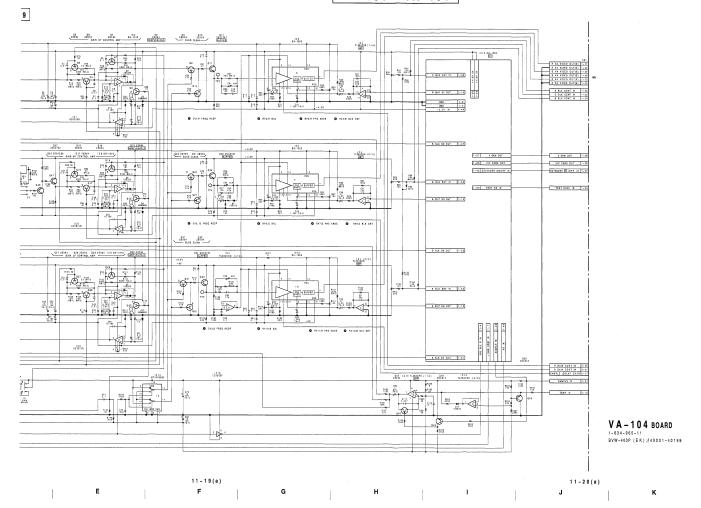
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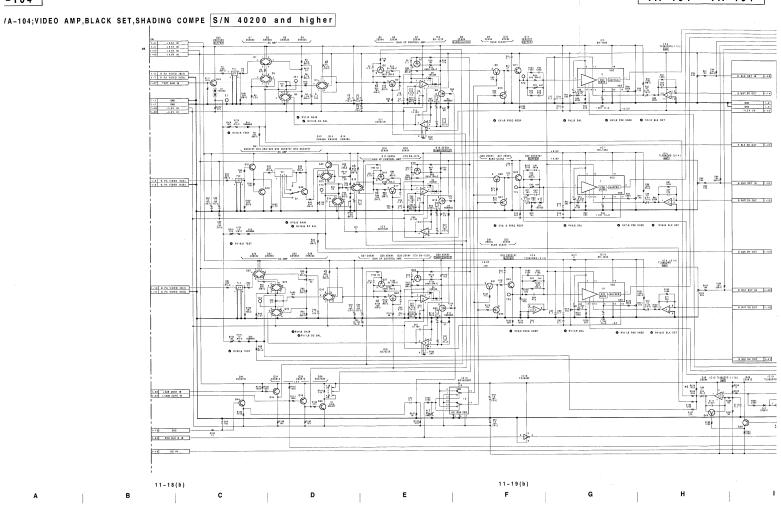
F G H J J K

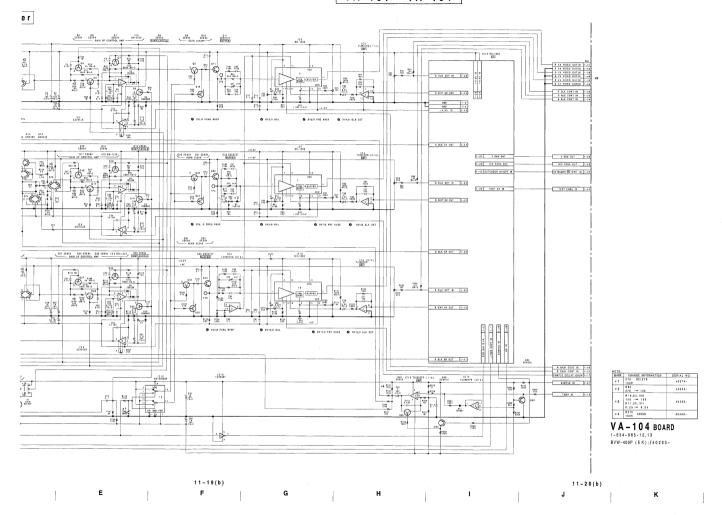




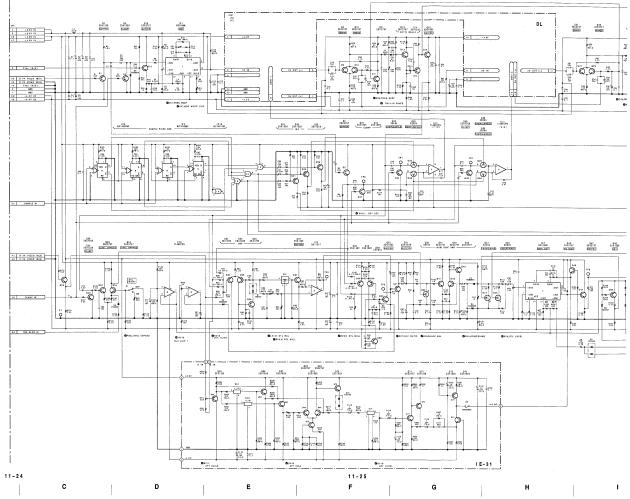


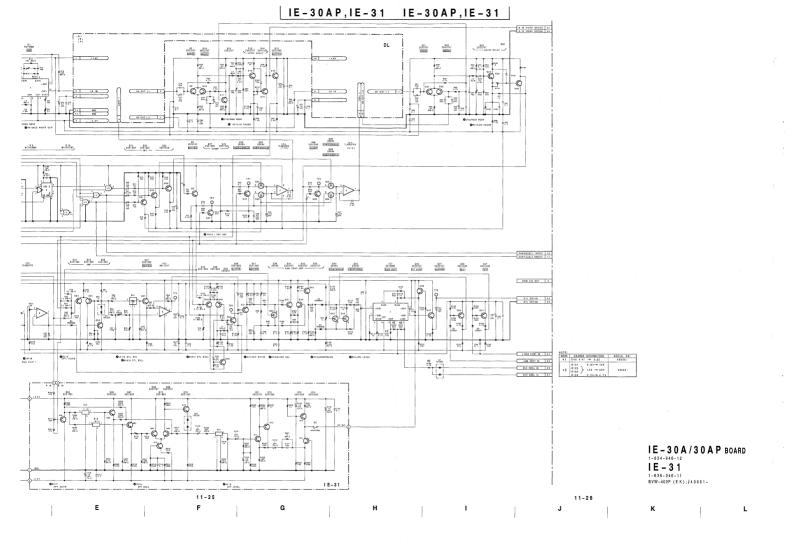




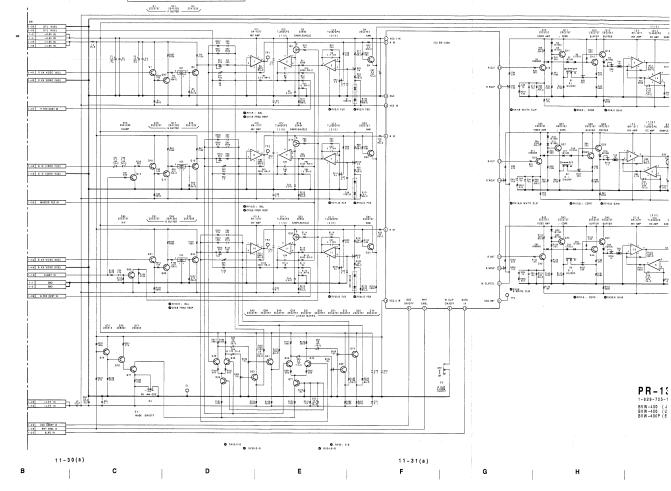


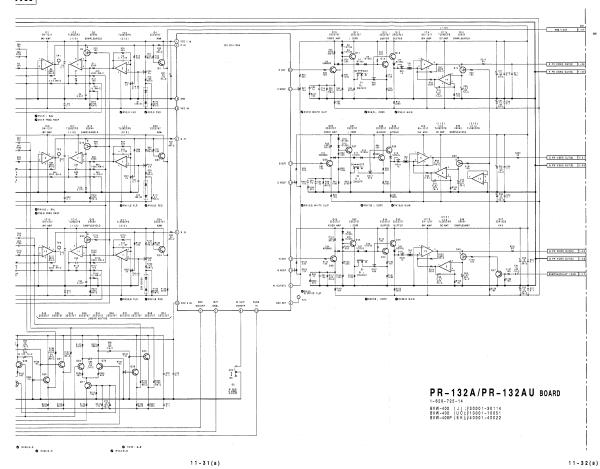
-30AP;IMAGE ENHANCER -31;APERTURE



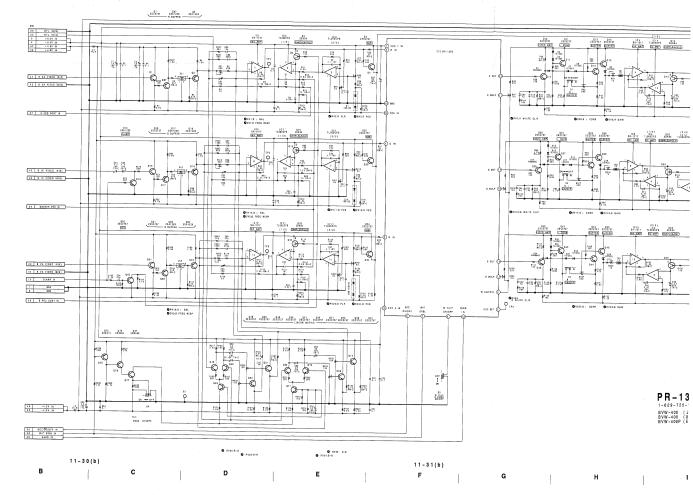


PR-132A;GAMMA,MASKING,KNEE,SLOPE,W CUP,DCC S/N;40001 through 40022

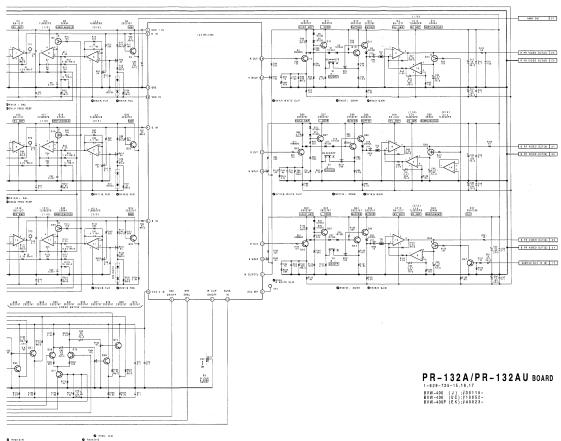




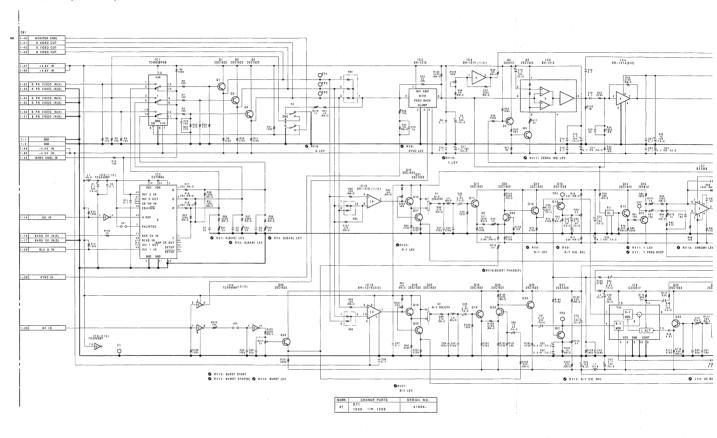
S/N;40001 and higher

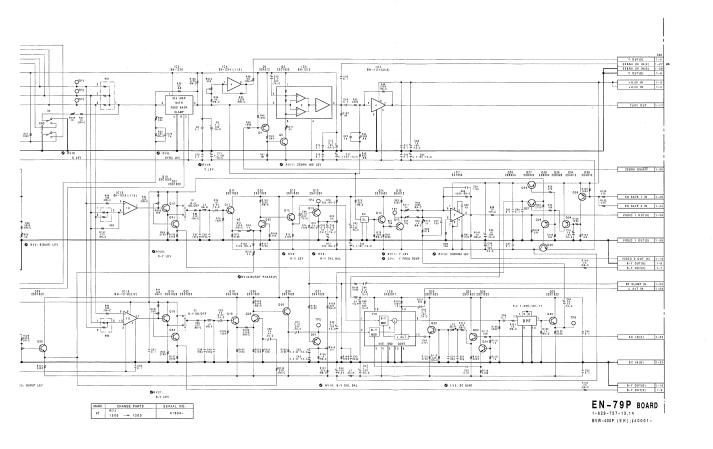


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## N-79P:Y/R-Y/B-Y SIGNAL GEN.ENCODER.CB GEN





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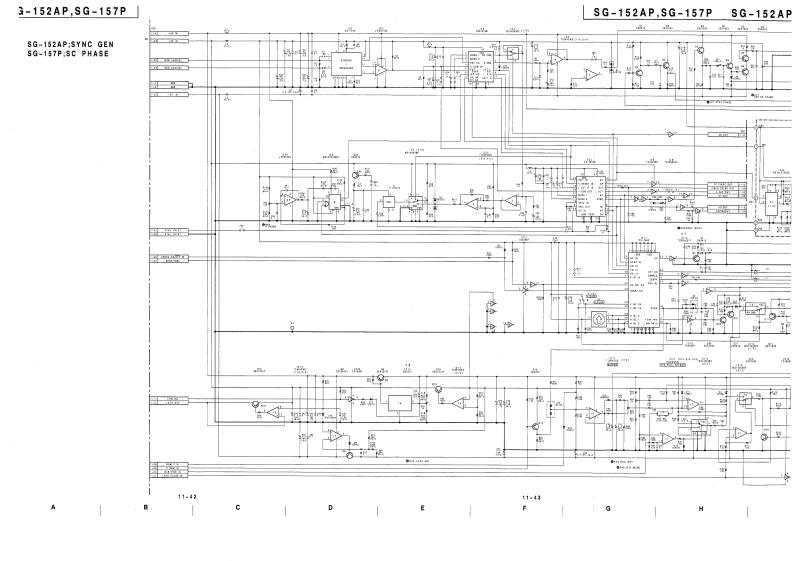
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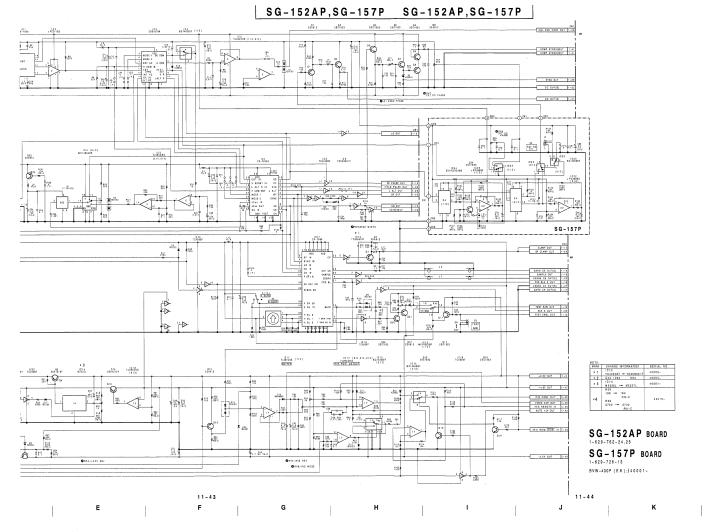
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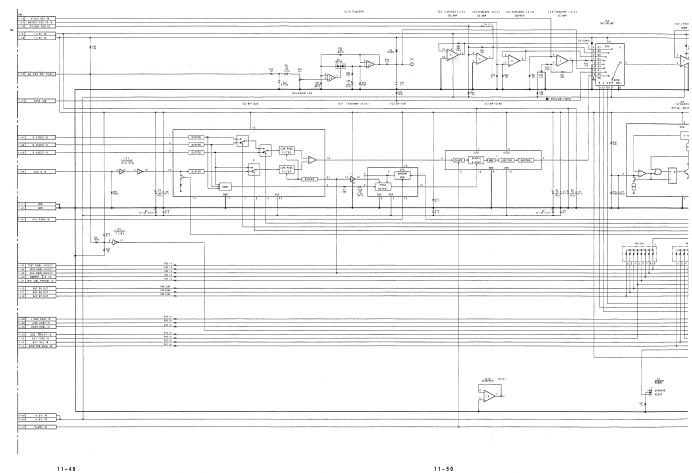
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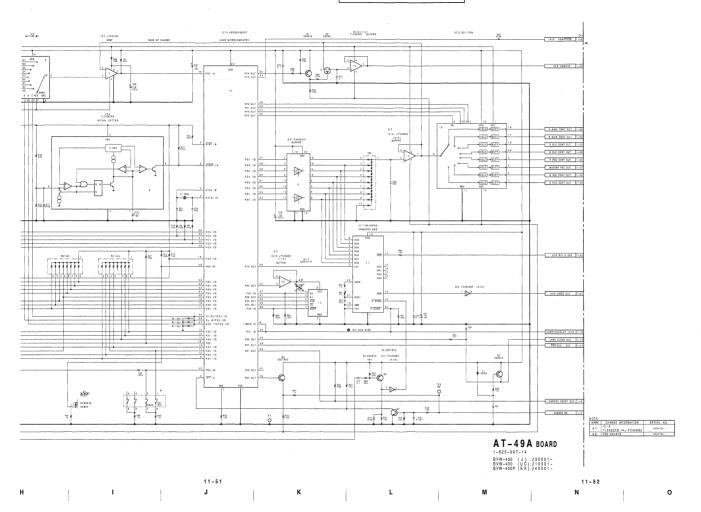




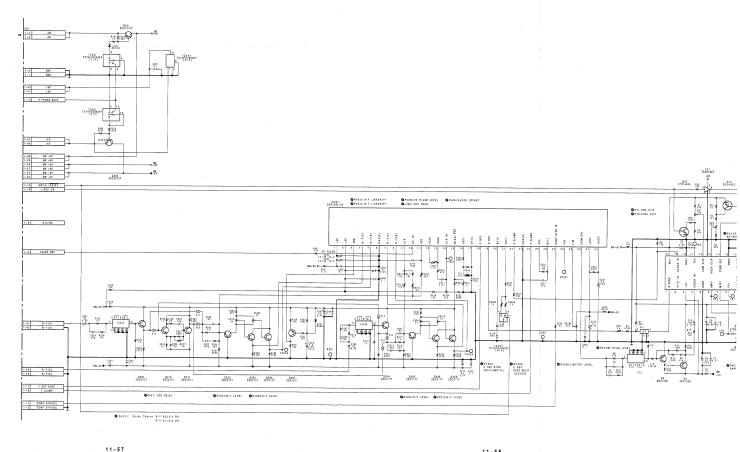
## AT-49A; AUTO W/B, CHARA GEN, SYS-CON

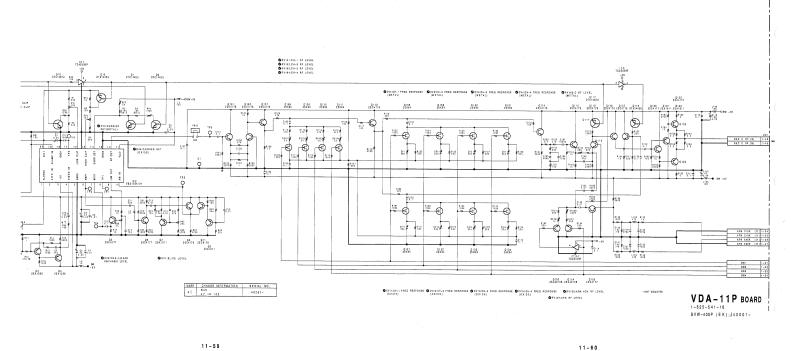


B C D E F G H

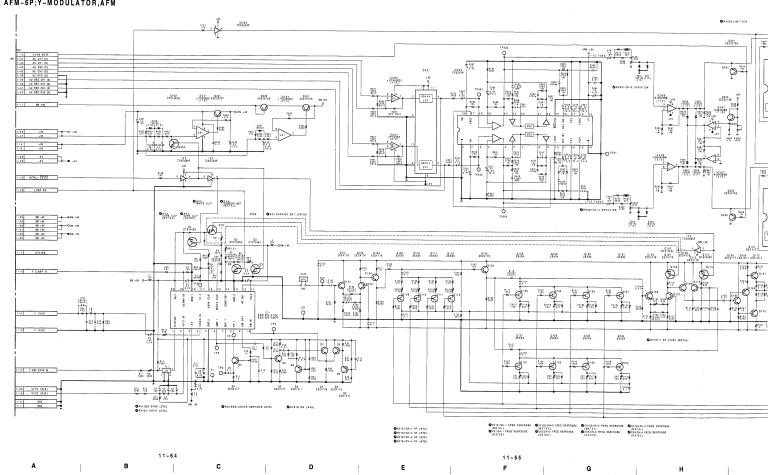


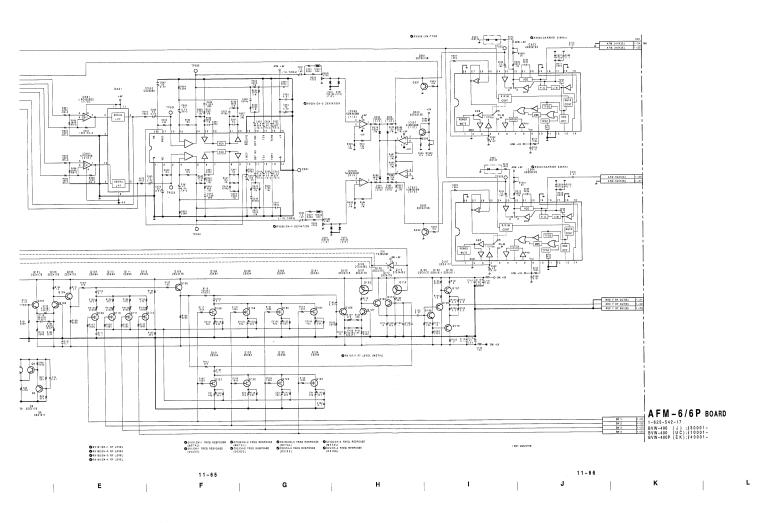
## VDA-11P;CTDM AND C-MODULATOR





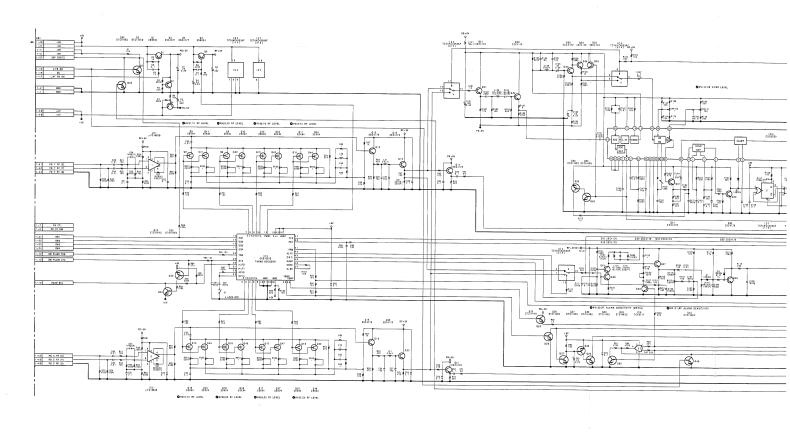
AFM-6P;Y-MODULATOR,AFM



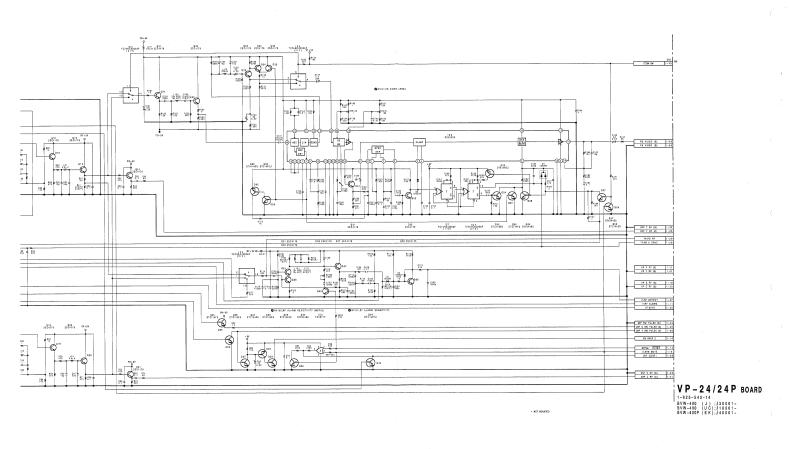


VP-24P; VIDEO PB

11-70



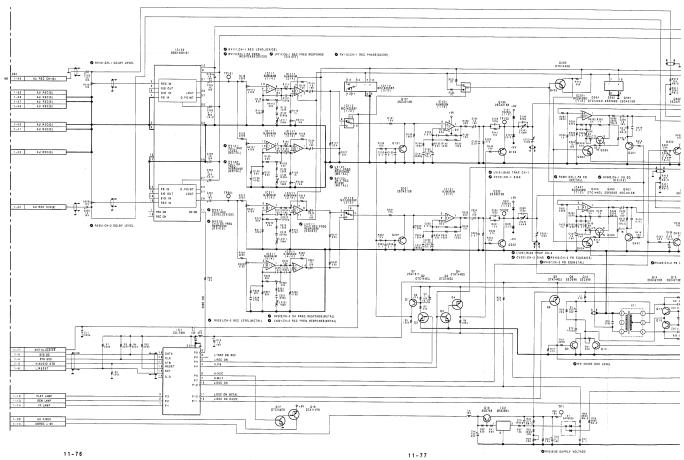
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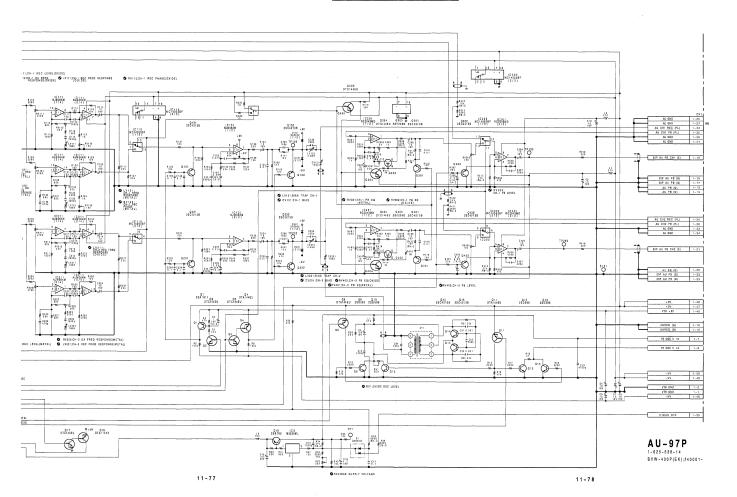


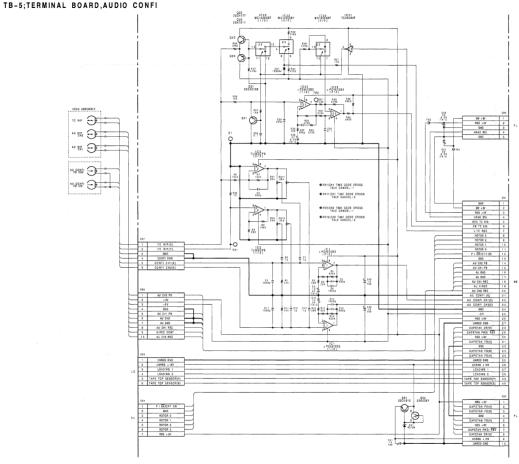
11-72

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## U-97P; AUDIO REC/PB, ERASE OSC







TB-5 BOARD 1-625-552-14

BVW-400 (J) ;#30001-BVW-400 (UC) ;#10001-BVW-400P (EK) ;#40001-11-82

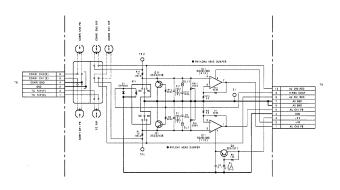
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FL-55P; AUDIO HEAD AMP, RELAY BOARD



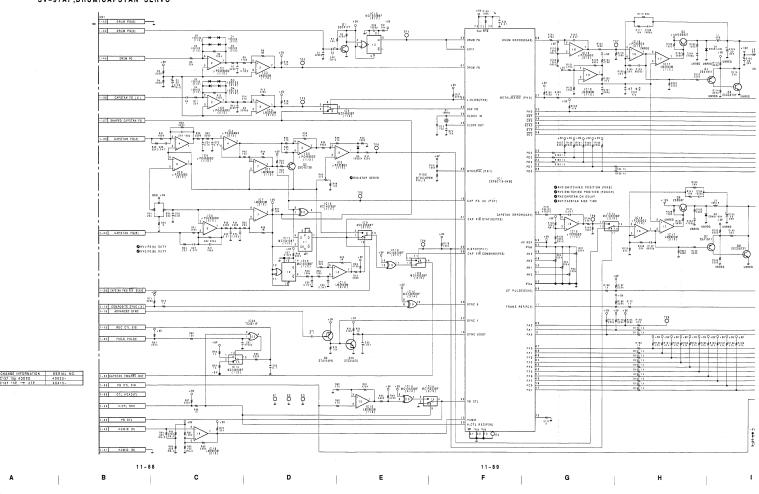
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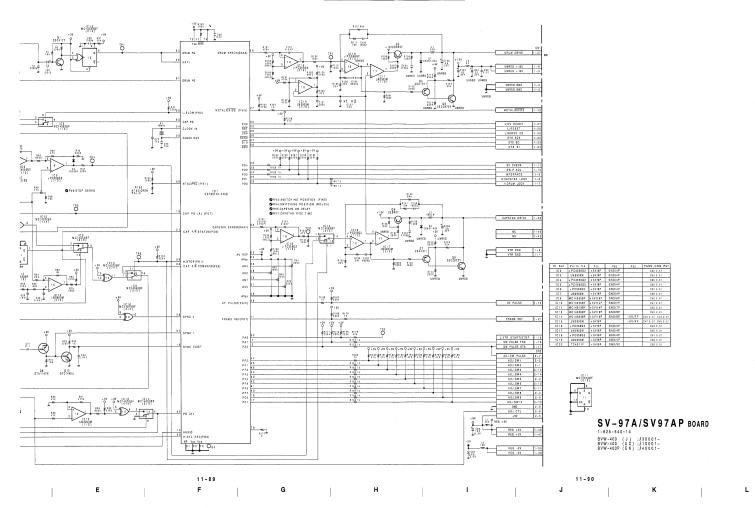
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## SV-97AP:DRUM/CAPSTAN SERVO





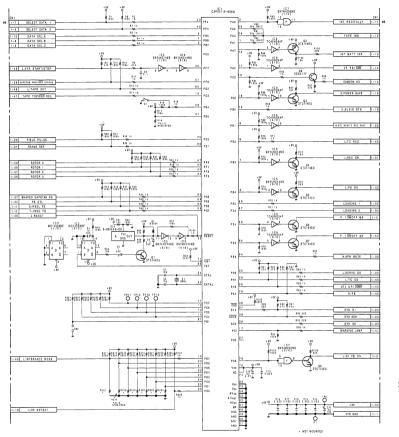
# SY-117CP, KY-124 SY-117CP, KY-124

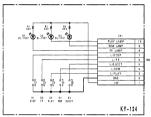
# SY-117CP:SYSTEM CONTROL KY-124;KEY BOARD

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KY-124 BOARD
1-625-549-11
BVW-400 {J} :#30001BVW-400 {UC} :#10001BVW-400P(EK) :#40001-

[D)2 8H74H0008NB

SN74HCODNS

SY-117C/SY-117CP BOARD

BVW-400 (J) ;#30001-

BVW-400 (UC) :#10001-BVW-400P(EK) :#40001-

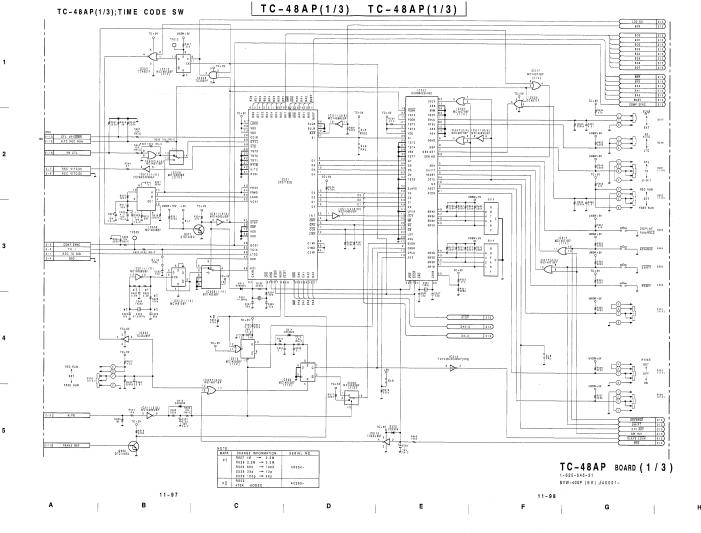
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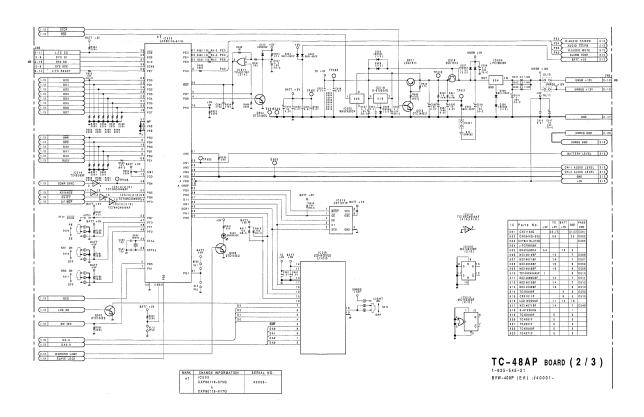


# TC-48AP(2/3) TC-48AP(2/3)

# TC-48AP(2/3); TIME CODE SW, INDICATOR

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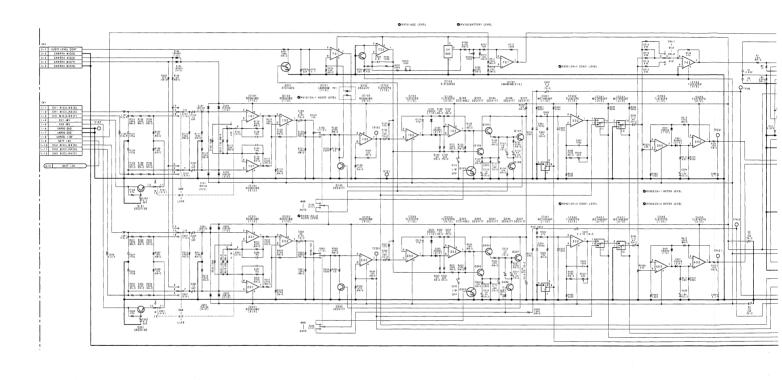
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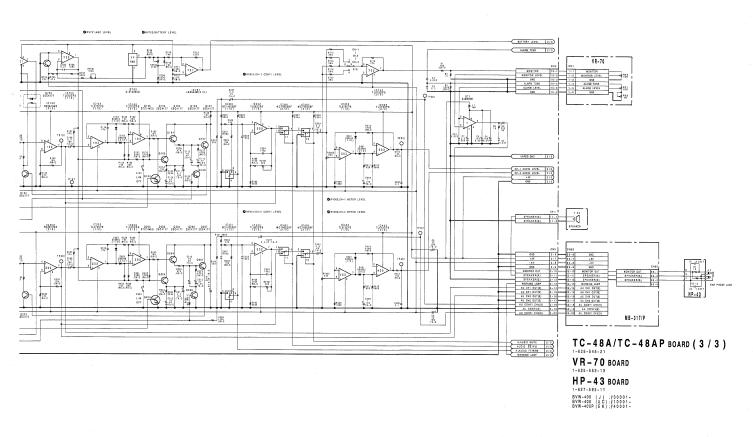
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# TC-48AP(3/3); INPUT SELECT, LEVEL CONTROL, MONITOR



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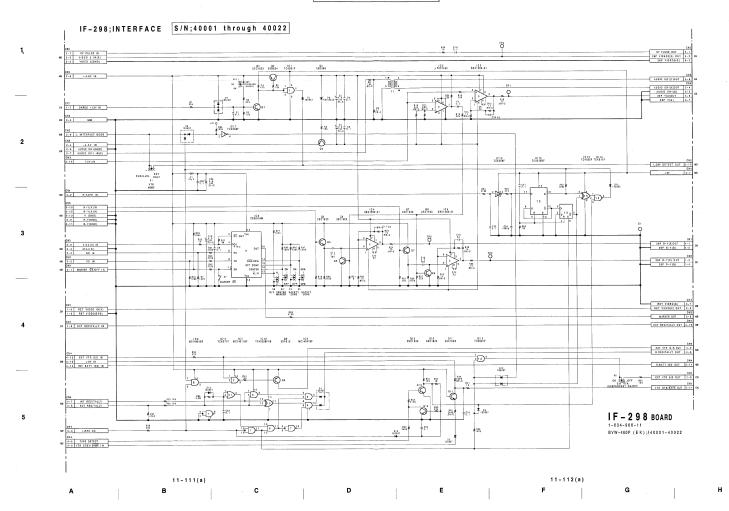
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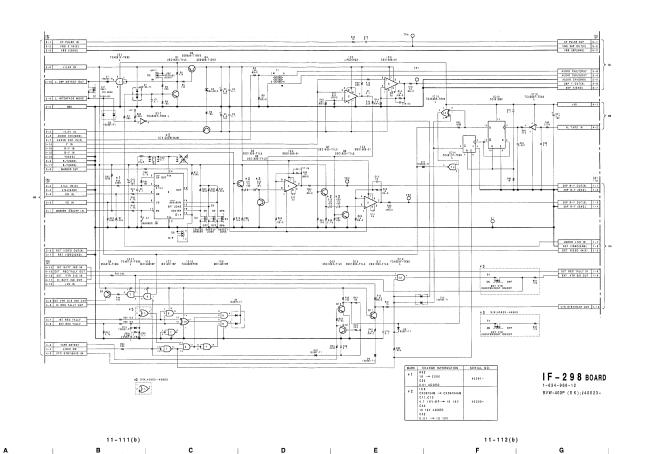
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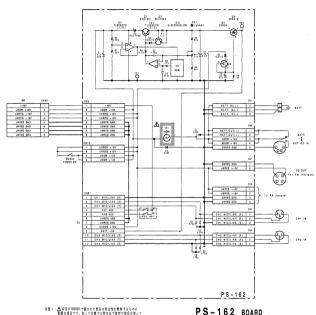


IF-298;INTERFACE S/N;40023 and higher

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## PS-162:POWER DISTRIBUTOR

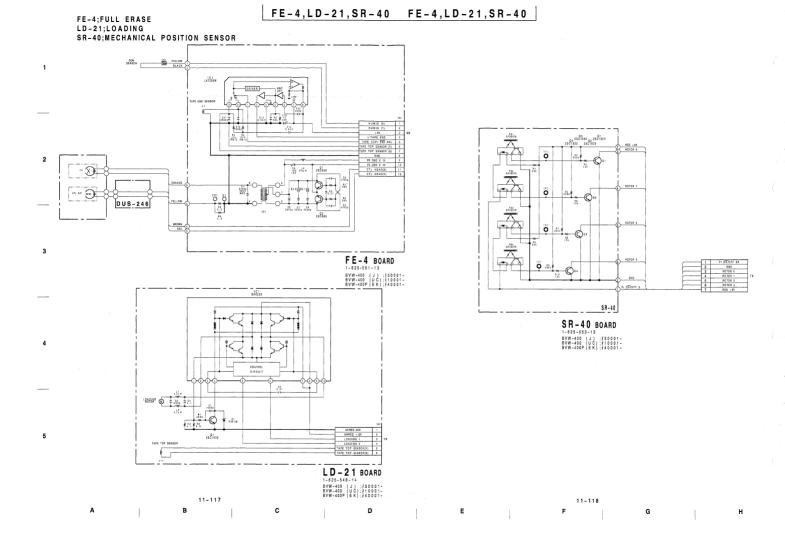


11-114

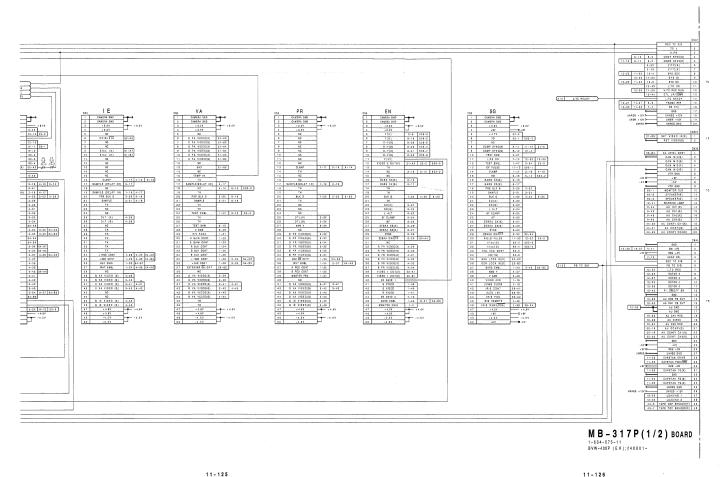
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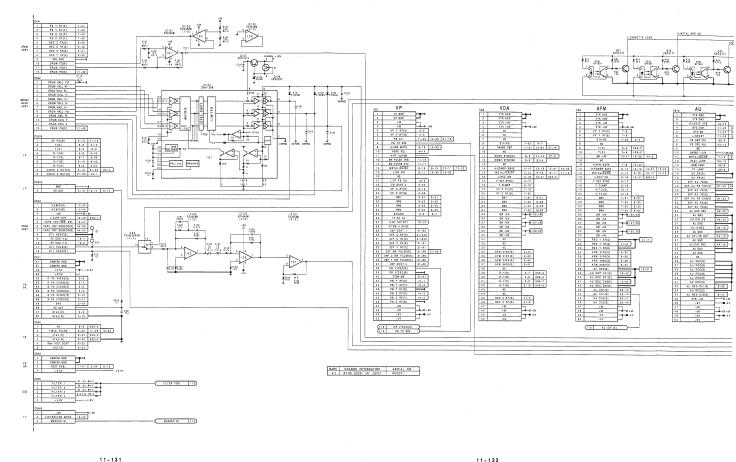




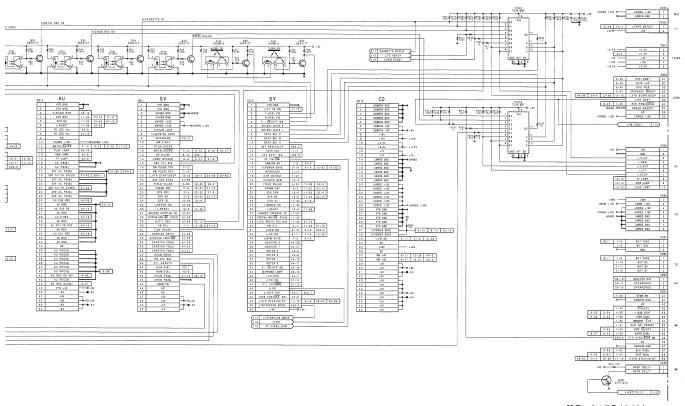


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## MB-317P(2/2); MOTHER BOARD

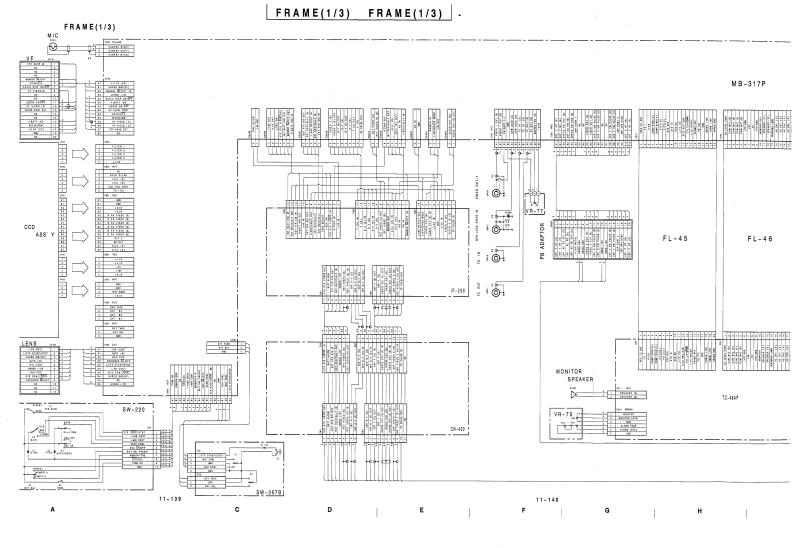


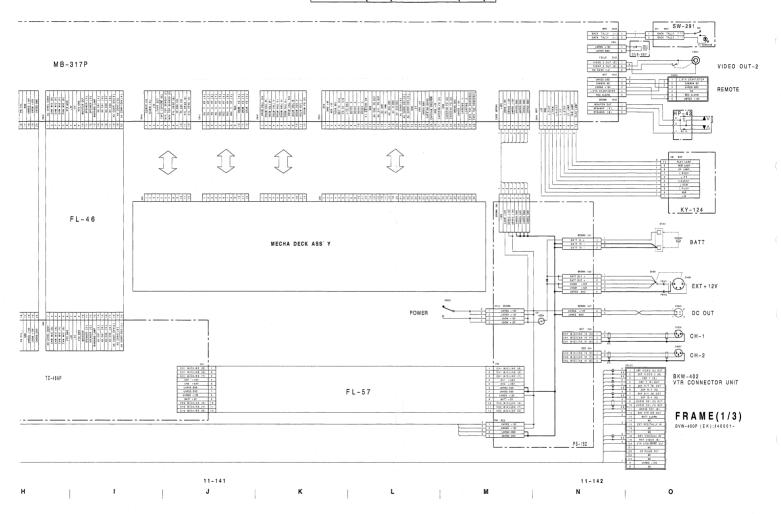
A B C D E E G H



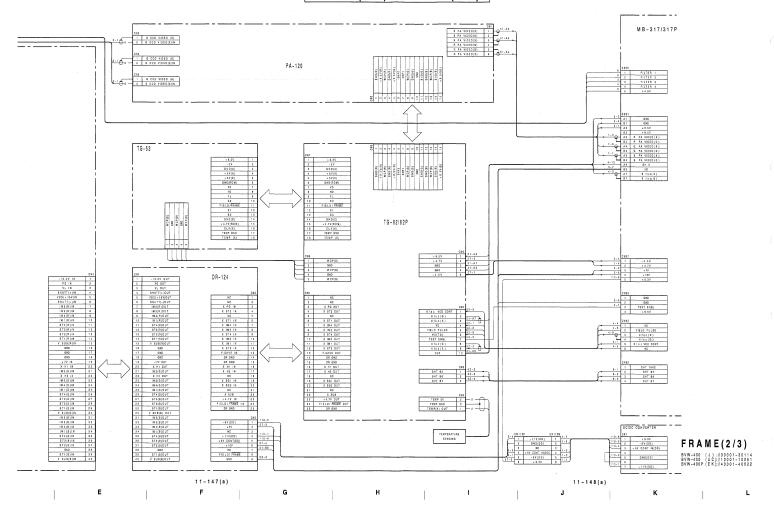
MB-317P(2/2)BOARD 1-634-075-11 BVW-400P (EK); #40001-

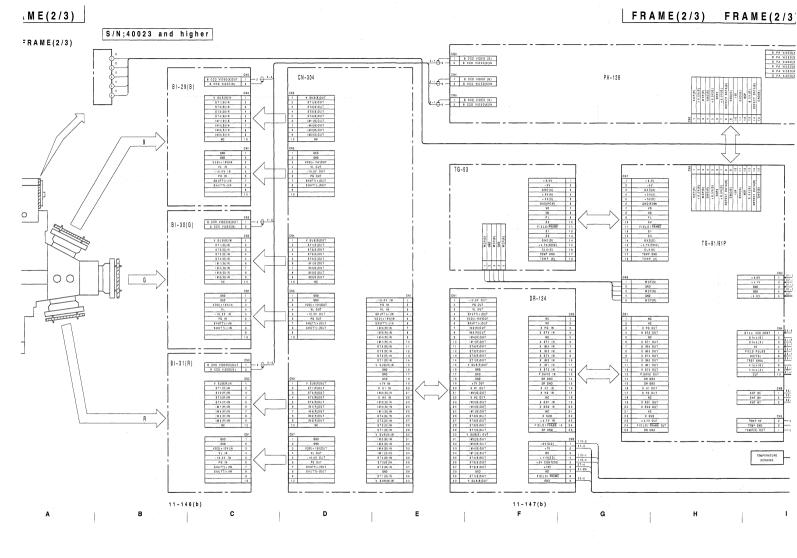
11-133 11-134 0



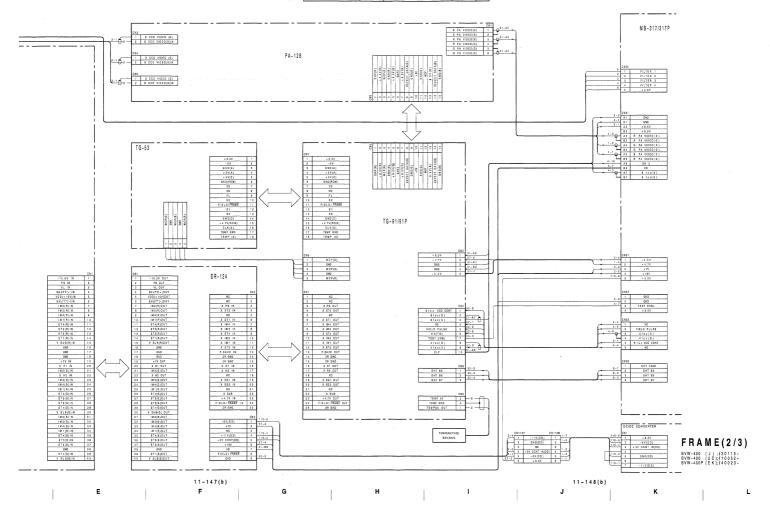


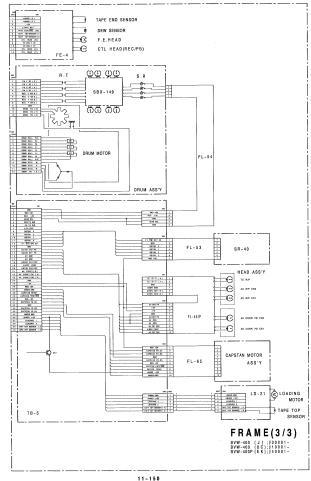
# FRAME(2/3) FRAME(2/3)





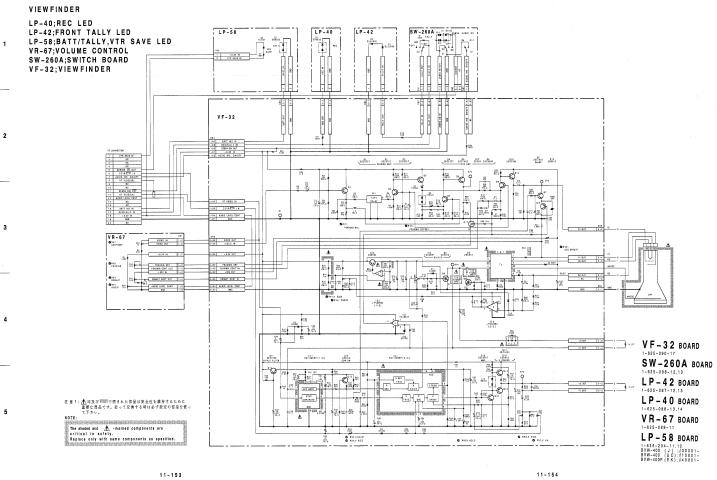
FRAME(2/3) FRAME(2/3)





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VIEWFINDER

VIEWFINDER

LP-40, LP-42, LP-58 VR-67, SW-260A, VF-32

В

С

LP-40, LP-42, LP-58 VR-67, SW-260A, VF-32

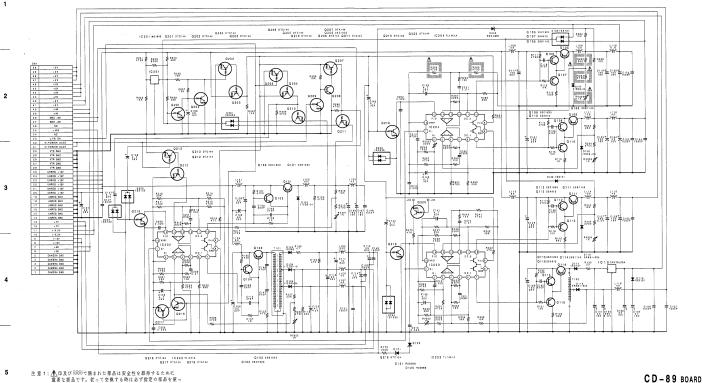
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#### CD-89:DC-DC CONVERTER



重要な部品です。従って交換する時は必ず指定の部品を使っ

----The shaded and / -marked components are

NOTE:

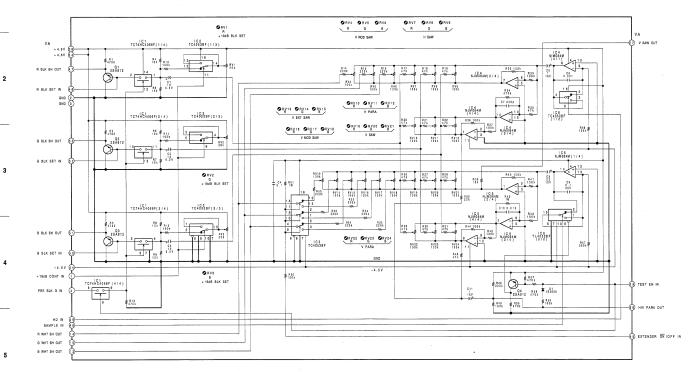
critical to safety. Replace only with same components as specified.

11-158

11-157

1-464-995-41

BVW-400 (J) :#30001-BVW-400 (UC):#10001-BVW-400P (EK):#40001-



BH-1263 BOARD

BVW-400 (J) ; £30001-BVW-400 (UC) ; £10001-BVW-400P (EK) ; £40001-

11-161

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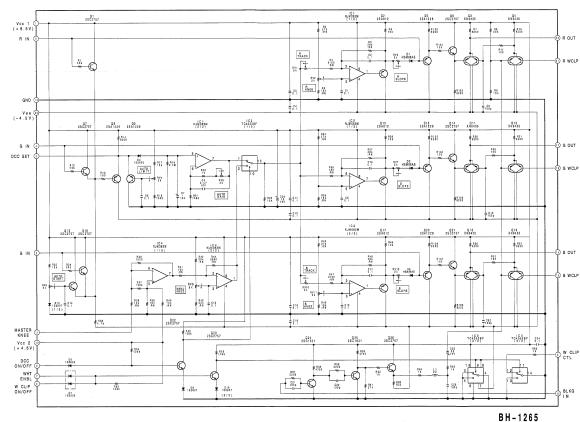
11-162

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BVW-400 (J) ; f30001-BVW-400 (UC) ; f10001-BVW-400P(EK) ; f40001-

11-165

A B C D E F G H

# SECTION 13 SPARE PARTS AND FIXTURE

#### PARTS INFORMATION

#### 1. Safety Related Component Warning

Components identified by shading marked with  $\underline{\Lambda}$  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

- Replace parts that are supplied from Sony Parts Center can sometimes have different shape and external appearance than what are actually used in equipment. This is due to accommodating the improved parts and/or engineering channes" or standardization of ceruline parts."
  - This manual's exploded view and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present."
  - Regarding engineering parts and diagrams changes in our engineering department, refer to Sony service bulletins and service manual supplements.
- The parts marked with "S" in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with "O" will be processed, but allow for additional delivery time.
- 4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.

#### 5. Abbreviation

REF. No.	DESCRIPTION	REF. No.	DESCRIPTION	REF. No.	DESCRIPTION
BT	BATTERY	FB	FERRITE BEAD	RV	VARIABLE RESISTOR
BZ	BUZZER	FL .	FILTER .	RY	RELAY
С	CAPACITOR	IC	. IC	8	SWITCH
CN	CONNECTOR	L	INDUCTOR	Т	TRANSFORMER
CP	COMBINATION PARTS	LV	VARIABLE INDUCTOR	TH	THERMISTOR
cv	VARIABLE CAPACITOR	Q	TRANSISTOR	TM	TIMER
D	DIODE	R	RESISTOR	VDR	VARISTOR
DL	DELAY LINE	RB	RESISTOR BLOCK	х	OSCILLATOR

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

#### FRONT PANEL

#### EXPLODED VIEW

FRONT PANEL

```
No
           Part No
                           SP Description
           A-7515-144-A o MOUNTED CIRCUIT BOARD, DR-124
          A-7575-151-A s CCD UNIT (N) (J.UC)
A-7575-152-A s CCD UNIT (P) (BK)
A-7615-261-A s SN (B) ASSY, FRONT
           X-3710-064-3 o CASE ASSY, SHIPLD
           X-3710-067-4 o COVER ASSY, SHIELD
X-3722-375-7 o FRAME SUB ASSY, FRONT
           X-3722-439-3 o PLATE (B) ASSY, ORNAMENTAL
           1-554-395-00 s SWITCH, TOGGLE
1-554-396-00 s SWITCH, TOGGLE
10
            1-629-570-11 o PRINTED CIRCUIT BOARD, SW-357
           2-623-773-11 s BOLT (M3X8), STAINLESS
3-678-629-00 s LEVER, MOUNT
3-678-684-00 o HOLDER, CABLE
15
           3-699-048-01 s CAP, MOUNT
            3-701-505-00 s SET SCREW, DOUBLE POINT 3X3
17
            3-710-024-01 o PACKING, VF
           3-710-054-01 s KNOB, FILTER
3-711-715-01 s RUBBER, SHIBLD
3-734-835-02 s SUPPORT (STAY T)
18
19
           3-711-767-01 s SCREW, STOPPER
22 -
           3-725-295-01 s SCREW, (+) (B3)
3-729-068-01 o PLATE (FR), SHIELD
           3-734-514-01 o SUPPORT (Y)
3-734-515-04 o COVER, SHIELD
24
           3-734-516-05 o SHEET, INSULATING, SHIBLD CASE
3-734-518-01 o SHEET, INSULATING, SHIBLD CASE
3-734-519-03 o CASE, SHIBLD
2-734-520-01 o SHEET, INSULATING, SHIBLD CASE
3-742-010-01 o STAY (T3), SHIBLD PLATE
28
30
31
            3-742-013-01 o STAY (B5), SHIBLD PLATE
32
            3-742-064-01 o FINGER, SHIELD
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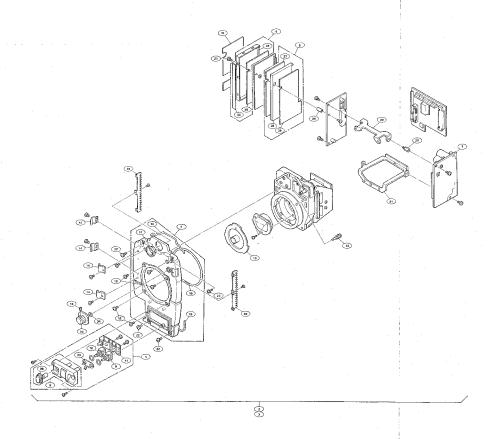
3-742-206-01 o SHEET (P), SHIELD COVER 3-884-053-00 s RING (0) 3-734-593-03 o SHBET, SHIELD COVER

3-729-069-01 s BUTTON, VTR START

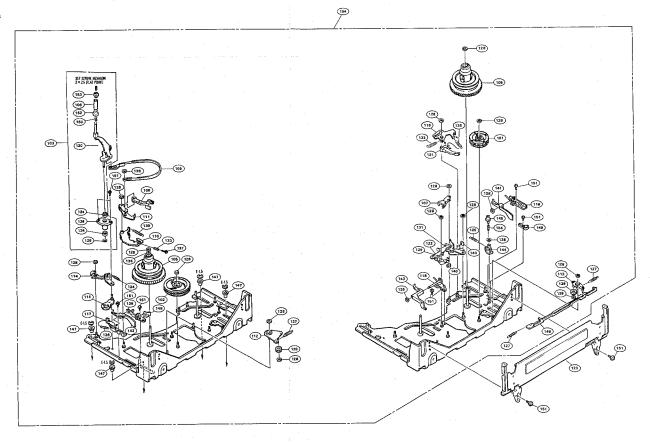
34 35

36

FRONT PANEL



BVW-400 (J/UC) BVW-400P (EK)



## REEL CHASSIS

No.	Part No. SP Description
101	A-6740-091-0 s IDLER ASSY, T
102	A-6740-092-0 s IDLER ASSY, S
103	A-6742-067-0 o DERSION REGULATOR ASSY
104	A-6771-030-0 o CHASSIS ASSY, REEL
105	X-3722-321-3 s TABLE ASSY, REEL
106	X-3722-322-1 s ROLLER ASSY, POM
107	X-3722-323-1 s BRAKE ASSY, T SOPT
108	X-3722-324-3 s BRAKE ASSY, S SOPT
109	X-3722-325-2 s BAND ASSY, TENSION REGULATOR
110	X-3722-326-2 o LEVER (A) ASSY, SUPPORT LEVER
111	X-3722-327-3 o SUPPORT (B) ASSY, BAND
112	X-3722-328-1 o ARM ASSY, S JUINT GEAR
113	X-3722-329-1 o ARM ASSY, T JUINT GEAR
114	X-3722-330-1 o HODK ASSY, SPRING
115	X-3722-331-1 o DRIVING ASSY, TENSION REGULATOR
116	X-3722-332-1 O HOLDER (A) ASSY
117	X-3722-333-3 O HOLDER (B) ASSY -
118	X-3722-334-1 O HOLDER (C) ASSY -
119	X-3722-335-2 O LEVER ASSY, PINCH ARM LOCK
120	X-3722-351-4 O ARM ASSY, TENSION REGULATOR
121	X-3722-410-1 s BRAKE ASSY, T SUB SOFT
122	X-3722-421-1 o SLIDER ASSY, BRAKE
123	X-3722-423-1 o PLATE (B) ASSY, BLIND
124	3-483-310-XX s SPRING TENSION
125	3-514-127-01 s SPRING, TENSION
126	3-527-025-00 s SPRING, TENSION
127	3-527-189-11 s SPRING, TENSION
128	3-559-408-11 s MASUER, POLYTHYLENE, DIA 1.2
129	3-564-035-00 s SPRING, TENSION
130	3-567-028-11 s SPRING, TENSION
131	3-570-590-00 s SPRING, TENSION
132	3-570-951-00 s SPRING, TENSION
133	3-573-150-00 s SPRING, COMPRESSION
134	3-530-312-00 s BEARING, BALL (NO FLANGE)
135	3-667-309-00 s SPRING, TENSION
136	3-701-437-21 s MASHSR
137	3-703-502-71 s SCREW
138	3-722-325-02 o BDSS, ARM BEARING
139	3-722-345-13 s GEAR, JUINT
140	3-722-354-01 o RUBBER, BRAKE
141	3-722-357-01 s LEYER (A), REC. MISTAKE
142	3-722-360-01 s LEYER (B), REC. MISTAKE
143	3-722-363-01 s LEYER, METAL DETECTION
144	3-722-367-01 o HOLDER, DETECTION PIN
145	3-722-368-01 o PIN, CASSETTE DETECTION
146	3-722-458-03 o LINK (A). JOINT GEAR
147	3-723-007-01 s ROLLER, LS
148	3-723-011-03 s HOLDER (RIGHT), SLIDE PIN
149	3-723-012-01 s HOLDER (DEPT), SLIDE PIN
150	3-723-012-01 s SPRING, COMPRESSION
151 152 153 154	3-729-013-21 s SCREW(M1, 4X2,5), MASHERREAD(+P) 3-729-026-04 o FLANGE (8), LUBWER 3-729-079-02 s FLANGE, UPPER, THISTON REGULATOR 4-879-762-00 s SPRING, COMPRESSION

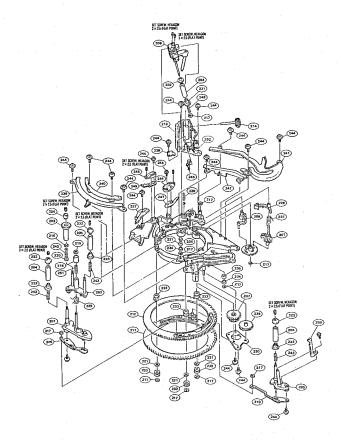
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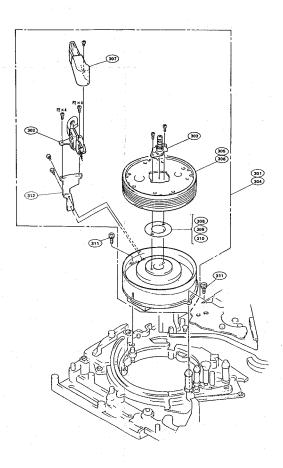
252

START No. Part No. SP Description 201 X-3722-313-4 s BASE ASSY, S ... X-3722-314-3 s BASE ASSY, S SUB 202 X-3722-315-2 s IR-2 ASSY X-3722-319-1 s ROLLER ASSY X-3722-355-3 s BASE ASSY, T 203 206 X-3722-382-1 o PULL ASSY, S X-3722-383-2 o LINK ASSY, T SUB FIXED X-3722-384-3 o LINK ASSY, T SUB ROTARY 207 208 209 X-3722-385-5 s BASE ASSY, T SUB X-3722-386-2 o PLATE ASSY, PULL, T 210 X-3722-388-5 o RING (T) ASSY, LOATING X-3722-389-3 o RING (S) ASSY, LOATING 911 212 X-3722-390-2 o TABLE ASSY, ROTARY, T SUB X-3722-409-1 o SHAFT ASSY, MAIN, T SUB ROTARY 213 214 215 3-321-813-01 s WASHER. COTTER POLYETHYLENE 216 3-557-565-00 s WASHER, 1.4 DAI, SMALL 3-559-408-11 s WASHER, PDLYETHYLENE, DIA, 1.2 3-657-842-01 s SPACER (3X4) 3-695-567-01 s WASHER, M SLIDER 3-701-436-01 s WASHER, 1.6 218 220 221 3-722-400-02 s FLANGE (C), UPPER 3-722-401-02 s FLANGE (A), LOWER 3-722-402-02 o NUT, IR 223 224 225 3-724-770-01 o SPRING 3-724-772-02 o ARM, T.S FIXED 227 3-724-775-02 o PLATE, OPEN, S 3-724-788-01 s SPRING, COMPRESSION 3-724-789-02 s SPRING 3-724-792-02 o REINFORCEMENT, GEAR 228 229 230 3-724-793-02 s FLANGE (A), ROLLER 3-724-794-01 s FLANGE (8), ROLLER 3-724-799-01 s FLANGE, RING 3-725-201-01 s ROLLER, RING 234 3-725-202-02 o ROLLER, SUB 235 3-725-203-01 o GEAR, S DRIVING MIDWAY 3-725-204-01 o GEAR, S DRIVING 3-725-205-01 o PLATE, ADJUSTMENT, T SUB 3-725-214-02 s RAIL (0), S 3-725-215-02 s RAIL (1), S 3-725-215-04 s RAIL (0), T 237 238 239 240 242 3-725-218-02 s RAIL (1), T 243 3-729-011-01 s SPRING, COMPRESSION 3-729-013-21 s SCREW(M1, 4X2, 5), MASHERHEAD(+P) 244 245 3-729-020-01 o PLATE, FIXED, T SUB 3-729-040-01 o PLATE, INDICATION, T 247 3-729-041-01 o SPRING 3-729-042-01 o PLATE, INDICATION, S 3-729-043-01 o SPRING 248 249 3-729-073-01 s GUIDE, TENSION 4-879-762-00 s SPRING, COMPRESSION 250 251

3-669-481-02 s PIN (DIA. 1) PARALLEL

SLANT





BVW-400 (J/UC) BVW-400P (EK)

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Part No.
            SP Description
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301	A-6050	-611-A	s	HEAD	DRUM	ASSY	DBH-14A-	R (	E
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302 303 304 305

A-6030-648-A S RRUBH ASSY A-6030-648-A S RRUBH ASSY A-6030-652-A S ELIP RING ASSY A-6030-673-A S HEAD DRUM ASSY DHH-15A-R (J. UC) A-6762-406-A S UPPER DRUM ASSY URR-14A-R (EK)

306

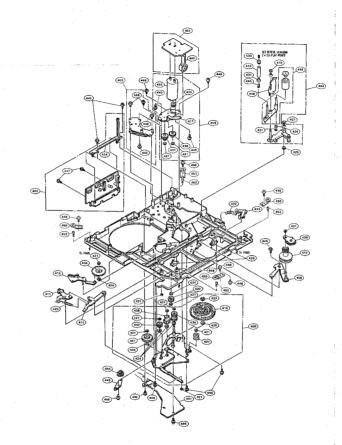
A-6762-418-A s UPPER DRUM ASSY DER-15A-R (J, UC) 3-717-148-01 o COVER, BLUSH 3-717-150-01 s SPACER, FRANGE (0, 031) 3-717-150-11 s SPACER, FRANGE (0, 031) 3-717-150-21 s SPACER, FRANGE (0, 055) 307 308 309 310

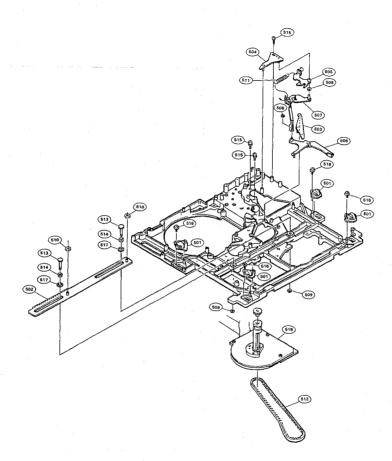
3-729-012-01 s SCREW (M2X5) 3-717-178-03 o SUPPORT, BRUSH 311 312

# LOADING GEAR/CAM GEAR

# LOADING GEAR/CAM GEAR

COMPI	
No.	Part No. SP Description
401	A-6725-602-A • MOUNTED CIRCUIT BOARD, LD-21
402	A-6725-604-A • MOUNTED CIRCUIT BOARD, T8-5
403	A-6737-190-C • NOTOR ASSY, LUDADING
404	A-6737-262-P • ARM ASSY, PINCH
405	A-6750-231-B • GEAR BLOCK ASSY
406	A-6750-233-B • GEAR SUB ASSY, CAM
407	A-6754-072-A • MBUNTED CIRCUIT BOARD, SR-40
408	K-3722-304-1 • BASE ASSY
409	K-3722-306-3 • GEAR ASSY
410	X-3722-307-1 • PULLEY ASSY, MIDWAY
411	K-3722-308-1 o LEVER ASSY, RELEASE, ST
412	K-3722-316-1 o ARM ASSY, DRIVING
413	K-3722-319-1 s ROLLER ASSY
414	K-3722-343-1 o HULDER (40P) ASSY, CONNECTOR
415	X-3722-357-1 o LINK ASSY, EJECT
416 417 418 419 420	X-3722-363-1 s PINCE ASSY, SUB X-3722-364-3 o BRACKET ASSY, NOTUR X-3722-369-2 s CAM ASSY, FUNCTION 3-321-313-01 s MASHER, COTTER POLYETHYLENE 3-531-794-00 s SPRING, TENSION
421	3-559-408-11 s WASHER, POLYETHYLENE, DIA 1, 2
422	3-668-508-00 s SPRING, TBNSION
423	3-669-595-00 s MASHER (2), STOPPER
424	3-701-436-11 s WASHER, 1, 6 POLYETHYLENE
425	3-701-433-01 s WASHER
426	3-701-438-21 s WASHER
427	3-722-369-01 s PULLEY, IDLER
428	3-722-382-01 s ROLLER, PINCH AEM
429	3-722-390-01 o HOOK, SPRING, SERTER
430	3-722-400-02 s FLANGE (C), UPPER
431 432 433 434 435	3-722-401-02 s FLANGE (A), LOWER 3-722-430-01 o GEAR, JOINT 3-722-460-01 o SMUTTER, CASSETTE DETECTION 3-723-010-01 o GEAR, REEL SLIDER DRIVING 3-723-002-01 s GEAR (MO)
436	3-723-054-01 s GEAR (MI)
437	3-723-055-01 s GEAR (MZ)
438	3-723-080-02 o GEAR (CLUB
439	3-723-081-01 o GEAR (T)
440	3-723-082-02 o GEAR. T DRIVING MIDWAY
441	3-723-083-02 o GBAR, ST DRIVING
442	3-723-081-01 o HOLDER, TOP SEMSER
443	3-725-206-01 o BRACKET, T GBAR
444	3-725-207-02 o GBAR, T DRIVING
445	3-729-011-01 s SPRING, COMPRESSION
446 447 448 449 450	3-729-013-21 s SCREW (M1 4X2 5), WASHERHEAD (+P) 3-729-013-41 s SCREW (M1 4X3 5), WASHERHEAD (+P) 3-729-046-02 o GLARD, PINCH TABLE 3-729-076-01 s SCREW (+P) (2X3) 3-729-081-01 o RETAINER (A), SCREW
451	3-729-082-01 o RETAINER (8), SCREW
452	3-729-084-21 s BOLT (M2X5), HEXAGON MOLE
453	8-835-308-01 s MOTOR, DC LN18-SINIB





### PINCH PRESS MECHANISM

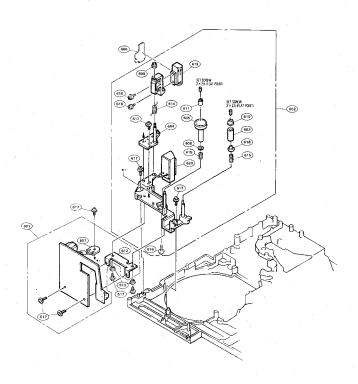
No.	Part No. SP Description
502 503 504	X-3722-301-1 s ROLLER ASSY, REEL CHASSIS X-3722-310-3 o LEUBR ASSY, REBL X-3722-310-3 o LEUBR ASSY, BRAKE X-3722-311-1 o SUPPORT ASSY, P LEUBR X-3722-312-1 o LEUBR (C) ASSY, PRESS
507 508 509	X-3722-345-1 o JOINT ASSY, PINCH X-3722-346-2 o LEVER ASSY, PRESS 3-559-408-00 s POLY-MASHER, 1,2 DIA 3-559-408-11 s WASHER, POLYETVILENG, DIA 1,2 3-701-439-21 s MASHER
512 513 514	3-701-788-XX s SPRING, TENSION 3-722-452-01 s BELT, TIMING 3-723-008-01 o RETAINER, ROLLER 3-723-009-01 s ROLLER, SLIDER PLATE 3-729-012-01 s SCREW (MZX5)
	3-729-013-21 s SCREW (M1. 4X2.5), WASHERHEAD (+P) 3-729-025-01 s WASHER

# CTL HEAD BASE

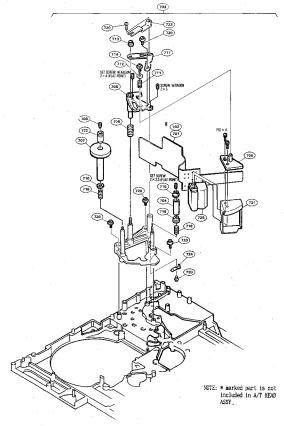
# CTL HEAD BASE

No_	Part No. SP	Description
602 603 604	A-6736-080-D o X-3722-322-1 s	MOUNTED CIRCUIT BOARD, FE-4 HEAD SUB ASSY, CTL ROLLER ASSY, PON PLATE ASSY, HEAD, CTL IR-1 ASSY
607 608 609	1-806-682-71 s 3-557-565-00 s 3-698-829-01 s	PRINTED CIRCUIT BOARD, DUS-246 SENSER, DEW CONDENSATION WASHER, 1.4 DAI, SMALL NUT (M2) FLANGE (C), UPPER
612 613	3-722-402-02 o 3-722-419-01 o 3-722-420-01 s 3-723-092-02 s 3-729-011-01 s	
617 618 619	3-742-003-01 s 8-825-560-40 s	SCREW (M2X5) SCREW (M1_4X2,5), MASHERHEAD (+P) FLANGE (S), LOWER HEAD, CTL (RS-253-21) HEAD, ERASE EF291-21A

# CTL HEAD BASE



# A/T HEAD BASE



BVW-400 (J/UC) BVW-400P (EK)

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A/T MEAD BASE
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Part No.
                                     SP Description
              A-6713-332-A o MOUNTED CIRCUIT BOARD, PL-55 (J.UC)
             A-6713-349-A O MOUNTED CIRCUIT BUARD, FL-55 (J. UC)
A-6713-349-A O MOUNTED CIRCUIT BUARD, FL-55P (EK)
A-6736-078-A O HEAD ASSY, A/T (NOT INCLUDING FL-55/35P BOARD)
X-3722-319-1 S ROLLER ASSY
702
703
              X-3722-338-3 o PLATE (UPPER) ASSY, A/T
706
              X-3722-339-3 o PLATE (LOWER) ASSY, A/T
707
              X-3722-340-3 s IR-3 ASSY
             X-3722-340-3 5 1X-3 A551
2-123-868-02 S SCREW (2X6)
3-534-236-00 S SPRING, COMPRESSION
3-557-565-00 S WASHER, 1.4 DAI, SMALL
708
709
710
              3-669-316-00 s SPRING, COMPRESSION 3-695-567-01 s WASHER, M SLIDER
712
713
              3-698-829-Q1 s NUT (M2)
714
              3-703-502-31 s SCREW
3-722-400-02 s PLANGE (C), UPPER
              3-722-401-02 s FLANGE (A), LOWER
             3-122-401-02 S FURNES (A), LOWAS
3-722-401-15 O DAMPER, A/T
3-729-011-01 S SPRING, COMPRESSION
3-729-013-21 S SCREW (A1. 4X2. 5), MASKERHEAD (+P)
3-729-027-11 O CASE, SHIELD, A/T
717
718
720
722
723
724
725
             3-729-066-01 o NUT. IR-3
3-729-067-02 o PLATE, INDICATION, IR-3
3-742-002-01 o DAMPER, W & F
8-825-749-02 s HEAD. AU PPS244-2103
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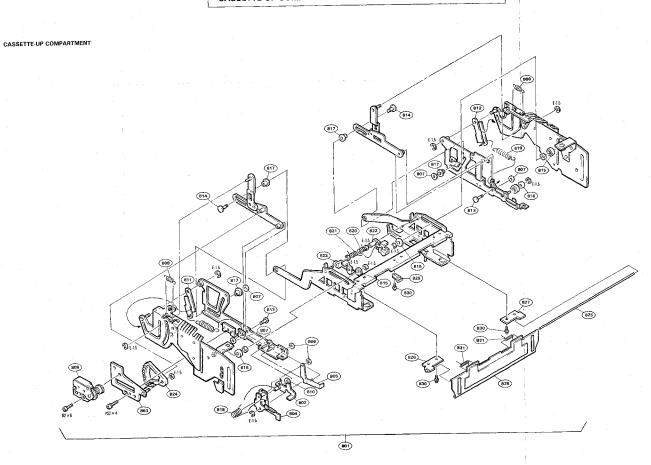
# CASSETTE-UP COMPARTMENT

### CASSETTE-UP COMPARTMENT

831

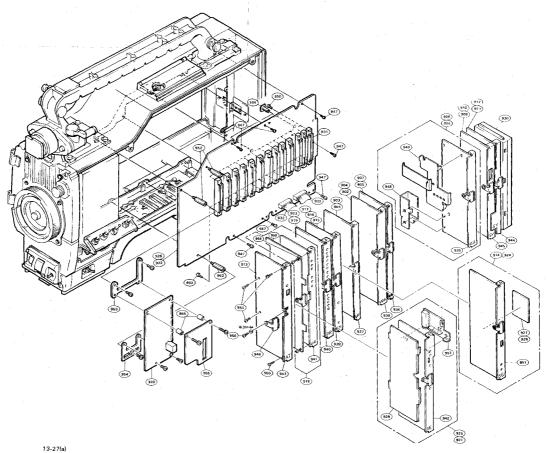
3-695-515-02 o SPRING

NO.	Part No. SP Description
801 802 803 804 805	A-6751-381-F s CASSETTE COMPARTMENT ASSY X-3722-363-3 s STOPPER ASSY X-3722-361-2 o FITTING ASSY, DAMPER X-3722-381-4 s ARM ASSY, LOCK X-3722-412-1 o LEVER ASSY, RELEASE
806 807 808 809 810	3-315-384-11 s WASHER, STOPPER 3-321-813-01 s WASHER, COTTER POLYETHYLENE 3-674-402-00 s SPRING, TENSION 3-681-628-00 o DAMPER 3-701-436-21 s WASHER, POLYEHTHYLENE
811 812 813 814 815	3-723-016-01 o LEVER (RIGHT), LIO OPEN 3-723-017-01 o LEVER (LEFT), LIO OPEN 3-723-042-01 o SAMAFT, LINK 3-723-043-01 o SAMAFT, CASSETTE HOLDER 3-723-044-01 o RETAINER, BEARING
	3-723-044-11 o RETAINER, BEARING 3-723-045-02 o ROLLER, HOLDER SLIDE 3-723-052-01 s SPRING (A), TORSION 3-723-053-01 o SPRING (A), TENSION 3-723-054-01 o SPRING (L), CASSETTE RETAINER
821 822 823 824 825	3-723-055-01 o SPRING (R), CASSETTE RETAINER 3-723-067-01 o RETAINER (LEFT), CASSETTE 3-723-068-01 o RETAINER (RIGHT), CASSETTE 3-723-086-01 o GEAR, DAMPER DRIVING 3-723-087-01 s SHAFT (A), BLIND PLATE
827 828	3-723-088-02 s GUIDE (RIGHT), CASSETTE 3-723-089-02 s GUIDE (LGFT), CASSETTE 3-723-090-03 s PLATE (A), BLIND 3-725-298-10 p PLATE INDICATION, BLIND 3-725-298-11 s PLATE INDICATION, BLIND 3-729-013-21 s SCREW(MI, 4XZ, 5), MASHERMEAD(+P)

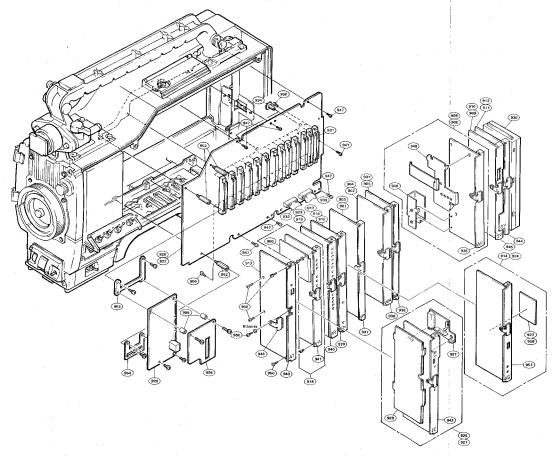


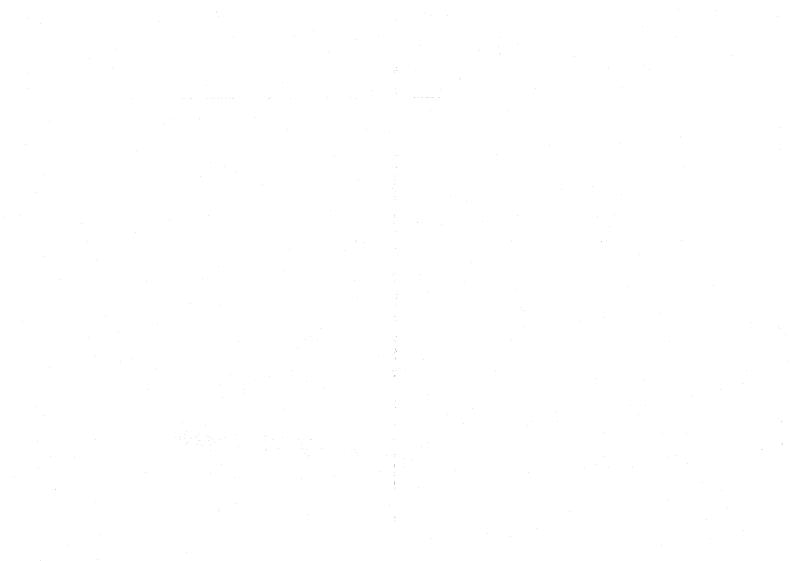
BVW-400 (J/UC) BVW-400P (EK) 13-26

J : S/N UP TO 30814 UC : S/N UP TO 10386 EK : S/N UP TO 40414



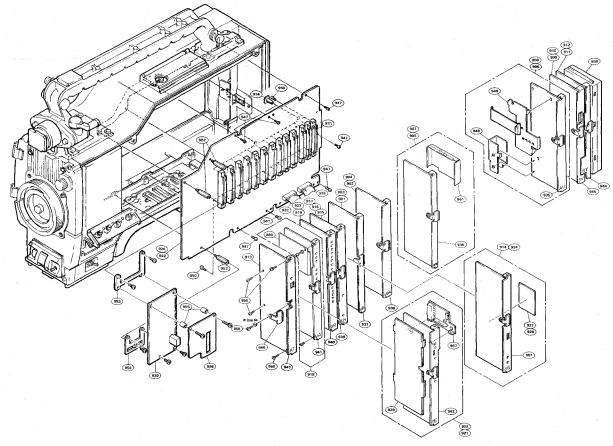
- J : S/N 30815 TO 30894 UC : S/N 10387 TO 10514 EK : S/N 40415 TO 40603







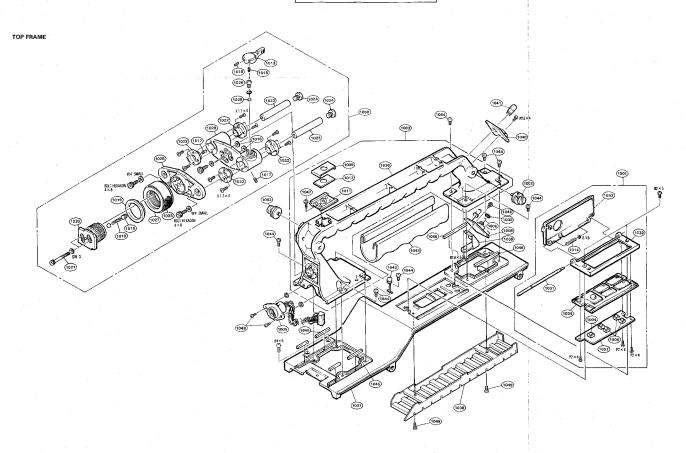
- J: S/N 30895 AND HIGHER UC: S/N 10515 AND HIGHER EK: S/N 40604 AND HIGHER



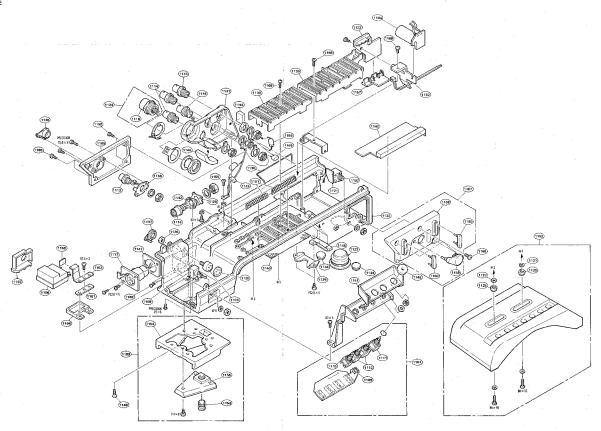
No.	Part No. SP Description		
901 902 903 904 905	A-6711-932-B o MOUNTED CIRCUIT BOARD, VP-24 (J. VC) A-6711-933-B o MOUNTED CIRCUIT BOARD, VPA-11 (J. UC) A-6711-992-A o MOUNTED CIRCUIT BOARD, VPA-24P (EK) A-6711-993-A o MOUNTED CIRCUIT BOARD, VPA-11P (EK) A-6713-319-B o MOUNTED CIRCUIT BOARD, VPA-10	951 952 953 954 955	3-734-321-01 o PLATE (SG-152). ORNAMENTAL 3-742-031-01 o SUPPORT (IF) 3-742-032-01 o BRACKET (A), IF 3-742-033-01 o BRACKET (B), IF 3-742-072-01 o SPACER (IF)
906 907 908 909 910	A-6713-320-A O MOUNTED CIRCUIT BOARD, AU-97 (J, UC) A-6713-350-A O MOUNTED CIRCUIT BOARD, AFM-6P (GK) A-6713-351-A O MOUNTED CIRCUIT BOARD, AU-97P (EK) A-6715-436-A O MOUNTED CIRCUIT BOARD, AU-97P (EK) A-6715-438-A O MOUNTED CIRCUIT BOARD, SV-97AP (GK)	956 957	3-742-073-01 o COVER, IF A-7520-521-A o WOUNTED CIRCUIT BOARD, IB-31 S/N 30015 AND KIGHER (JC) 10011 AND KIGHER (UC) 40001 AND HIGHER (BK)
911 912 913 914 915	A-6717-576-A O MOUNTED CIRCUIT BOARD, SY-117C (J, UC) A-6717-577-A O MOUNTED CIRCUIT BOARD, SY-117CP (EK) A-7513-944-A O MOUNTED CIRCUIT BOARD, AT-49A A-7513-949-A O MOUNTED CIRCUIT BOARD, AT-5126 (J, UC) A-7513-949-A O MOUNTED CIRCUIT BOARD, EN-79U (UC)	958 959	3-166-513-01 o SHEET (VA) CONDUCTIVE 3-166-514-01 o PLATE (VA), SHIBLD S/M UP TO 30164 (J) UP TO 10096 (UC) UP TO 40034 (EK)
916 917 918 919 920	A-7513-850-A o MONNTED CIRCUIT BOARD, EN-79 (J) A-7513-961-A o MONNTED CIRCUIT BOARD, EN-79P (EK) A-7515-147-A o MONNTED CIRCUIT BOARD, VA-104 A-7515-147-A o MONNTED CIRCUIT BOARD, VA-104 A-7515-149-A o MONNTED CIRCUIT BOARD, IF-298	960	3-167-326-01 o PLATB (VA), SHIELD S/N 30165 TO 30814 (J) 10097 TO 10386 (UC) 40035 TO 40414 (EK) 3-172-056-02 o PARTITION
921 922 923 924 925	A-7515-150-A o MOUNTED CIRCUIT BOARD, 1B-30 (J.UC) A-7515-151-A o MOUNTED CIRCUIT BOARD, MB-317 (J.UC) A-7515-153-A o MOUNTED CIRCUIT BOARD, PR-132A (J.EX) A-7515-155-A o MOUNTED CIRCUIT BOARD, SG-152AP (EK) A-7515-156-A o MOUNTED CIRCUIT BOARD, 1B-50P (EK)	961	S/N 30815 AND HIGHER (J) 10387 AND HIGHER (UC) 40415 AND HIGHER (GK)  X-3166-340-1 s PLATE (APN), SHIELD
926 927 928 929 930	A-7515-157-A o MOUNTED CIRCUIT BOARD, MB-317P (EK) A-7520-420-A o MOUNTED CIRCUIT BOARD, S6-157 (J, UC) A-7520-489-A o MOUNTED CIRCUIT BOARD, S6-157P (EK) X-7222-411-5 PLATE (CARD) ASST, SBILED 1-464-995-21 s CONVERTER, DC-DC (CD-898)		5/N 30885 AND HIGHER (J) 10515 AND HIGHER (DC) 40604 AND HIGHER (EK)
931 932 933 934 935	1-566-962-11 o CONNECTOR, BOARD TO BOARD SOP 1-625-891-11 s PRINTED CIRCUIT BOARD, FL-45 1-625-932-11 s PRINTED CIRCUIT BOARD, FL-46 3-722-391-01 o BOLDER, GPZSOP 3-724-704-01 o PLATE (AU-97), ORNAMENTAL		
936 937 938 939 940	3-724-705-01 o PLATE (APM-6). ORNAMENTAL 3-724-706-01 o PLATE (VP-24). ORNAMENTAL 3-724-707-01 o PLATE (VOA-11). ORNAMENTAL 3-724-709-01 o PLATE (CH-62). ORNAMENTAL 3-724-710-01 o PLATE (PR-102). ORNAMENTAL		
941 942 943 944 945	3-724-711-02 o PLATE (VA-62), ORNAMENTAL 3-724-712-02 o PLATE (IE-20), ORNAMENTAL 3-724-713-01 o PLATE (AT-9), ORNAMENTAL 3-724-714-01 o PLATE (SY-117), ORNAMENTAL 3-724-715-01 o PLATE (SY-97), ORNAMENTAL		
946 947 948 949 950	3-724-753-01 o RING, PRE 3-729-013-21 s SCREW(M1_4X2_5), WASHERHEAD (+P) 3-729-031-01 o CASE, (AU-1) SHIELD 3-729-032-03 o CASE, (AU-2) SHIELD 3-729-061-01 s SCREW (MZX4_5), (TYPE 1)		

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TOP FRAME
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No,	Part No. SP Description
1001	A-6731-155-A s KEY BOARD ASSY
1002	K-3672-208-2 o SUSPENSION ASSY (B)
1003	K-3722-370-4 o HANDLE ASSY
1004	1-554-371-51 s SWITCH. TACT
1005	1-665-051-11 o CONNECTOR, ROUND (NITE C) 20P
1006	1-570-608-11 s SMITCR, TDGGLE
1007	1-625-549-11 o PRINTED CIRCUIT BOARD, KY-124
1008	1-625-555-13 o PRINTED CIRCUIT BOARD, SM-291
1009	2-277-468-01 o PLATE, ORNAMENTAL, CAMERA SBOE
1010	3-641-622-00 s SPRING, COMPRESSION
1011	3-657-700-00 s BRACKET, ACCESSORY
1012	3-672-213-00 o SHBET, ADHESIVE
1013	3-673-046-00 s LEVER, LOCK
1014	3-673-281-00 o SPRING, COMPRESSION
1015	3-682-760-01 o SCREM (M7-0, 75), ADJUSTMENT
1016	3-685-166-01 o MASHER, SCREW CLAMP
1017	3-701-506-01 s SET SCREW, DOUBLE POINT 3K4
1018	3-701-508-00 s SET SCREW, DOUBLE POINT 3K6
1019	3-710-018-01 s COLLAR, SLIDE
1020	3-710-039-03 s SHOE, SLIDE
1021	3-711-765-01 s BOLT (M3), HEXAGON SOCKET
1022	3-711-790-01 o SPACER (A)
1023	3-711-791-01 o ARM
1024	3-711-793-01 o SCEBN
1025	3-711-793-01 o CUSHION (STOPPER)
1026	3-711-794-01 o PIN, STOPPER
1027	3-711-795-01 o RING (B), LOCK
1028	3-711-796-03 o TABEL, FIXED, WF SHOE
1029	3-711-797-05 o TABEL, FIXED, WF SLIDE
1030	3-717-825-01 o RING, 0
1031	3-717-854-01 • SHAPT, KBY BOARD COVER
1032	3-718-042-21 • FRAME, KBY BOARD
1033	3-718-043-21 • COVER, KBY BOARD
1034	3-718-044-01 s COVER, KBY BOARD RUBBER
1035	3-720-919-01 • RUBBER, LOCK RING
1036	3-722-467-05 • HANDLE
1037	3-722-469-02 • FRAMS, TOP
1038	3-724-736-01 • GUIDE (BPPER), PC BOARD
1039	3-724-725-01 • HOLDER
1040	3-724-763-01 • COVER, BT
1041	3-724-764-01 s HOLDER, LED
1042	3-725-234-01 s RUBBER (DIA 7), OROP PROTECTION
1043	3-725-260-01 s GRIP, RUBBER
1044	3-725-265-01 s SCREM, (+) (B3)
1045	3-725-296-11 s FILTER (MANULE)
1046	3-725-296-21 s FILTER (HANDLE)
1047	3-729-012-01 s SCREM (M2X5)
1048	3-729-013-21 s SCREM (M1.482,5), MASHERHEAD (+P)
1049	3-166-603-01 s SCREM (2.6), +8
1050	A-7612-331-E o SLIDE ASSY, VF



# BOTTOM FRAME



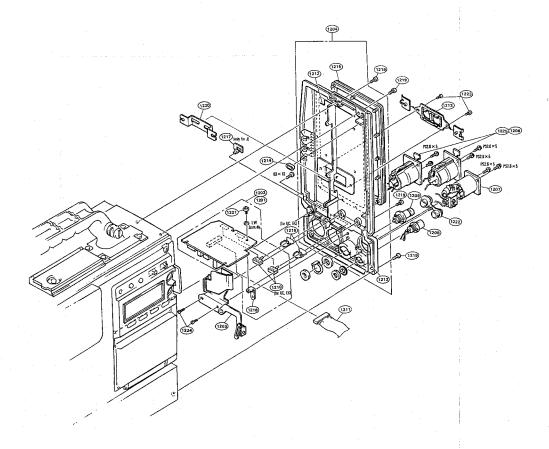
# BOTTOM FRAME

BOTTO	M FRAME		
No,	Part No. SP Description		
1101 1102 1103 1104 1105	A-7520-307-A • MOUNTED CIRCUIT BOARD. SM-220 A-7612-315-A s PAD ASSY, SBOULDER A-7612-385-A s SHOB (B) ASSY, V 1-124-440-11 s CAP, ELECT 3300MF 1-223-165-00 s RES, AOJ, MIREMOUND 10k	1156 1157 1158 1159 1160	3-742-016-01 o BRACKET, REMOTE 3-742-023-01 o GEIDE, PC BOARD 3-742-030-01 o SHEET (DB), INSULATING 3-742-034-01 s RUBBER (EJ), DROP PROTECTION 3-742-035-01 o STOPPER, ORNAMENTAL PANEL
1106 1107 1108 1109 1110	1-466-138-13 s CONVERTOR UNIT, DC-DC 1-507-980-11 s JACK 1-553-448-00 s SWITCH, TOGGLE 1-553-856-00 s SWITCH, KEY BDARD 1-554-355-00 s SWITCH, TOGGLE	1161 1162 1163 1164 1165	3-742-036-01 • BRACKET, DO CONVERTER 3-742-047-01 • BETAINER, DO CONVERTER 3-742-048-01 • HOLDER, DO CONVERTER 3-742-049-01 • SPACER, DO CONVERTER 3-742-050-01 • BRACKET, REMOTE
1111 1112 1113 1114 1115	1-554-356-00 s SMITCH, TOGGLE 1-554-400-00 s SMITCH, TOGGLE 1-561-233-21 s CONNECTOR, 6P 1-561-781-11 s CONNECTOR, ENC 1-561-781-21 s CONNECTOR, ENC	1166 1167 1168 • 1169	1-249-404-00 s RES, CARBON (SMALL) 82 N-3165-012-2 o PANEL ASST, ORMAMENTAL, SWITCH 3-166-603-01 s SCREW (2.6), +8 1-162-710-11 s CRRAWIC, 100P 1% 50V (C1)
1116 1117 1118 1119 1120	1-562-221-21 s CONNECTOR, 12P 1-563-029-21 s CONNECTOR, 3P 1-563-971-11 s CONNECTOR, 20P 1-565-764-11 s CONNECTOR ASSY, BNC 1-625-554-13 o PRINTED CIRCUIT BOARD, VR-77		
1121 1122 1123 1124 1125	1-627-593-11 • PRINTED CIRCUIT BOARD, HP-43 1-634-967-11 • PRINTED CIRCUIT BOARD, CN-400 1-846-504-11 • VARISTOR BRZ-COSDK820 1-946-619-11 • DARKESS, SUB (ADP) 3-646-184-00 • SPACER		
1126 1127 1128 1129 1130	3-664-519-00 o NUT (M4) 3-687-116-01 o MASHER (4), STOPPER 3-729-092-01 o BRACKET (A) 3-711-703-01 o STOPPER 3-711-715-01 o RUBBER, SHIELD		
1131 1132 1133 1134 1135	3-722-462-03 o FRAME, BNC 3-722-471-03 o FRAME, BOTTON 3-723-096-01 o COVER, BREAKER 3-723-097-01 o FOOT, RUBBER 3-724-720-01 o GUIDE (LOWER REAR), PC BOARO		
1136 1137 1138 1139 1140	3-724-730-02 s RUBBER (BA), DROP PROTECTION 3-724-731-02 s RUBBER (PS), DROP PROTECTION 3-724-734-04 o PANEL, MAIN SWITCH ORNAMENTAL 3-724-735-01 o GUIDE (LOWER FRONT), PC BOARD 3-725-226-01 o PARTITION (L)		
1141 1142 1143 1144 1145	3-725-243-01 s RUBBER (CAN), DROP PROTECTION 3-725-297-01 o SPACER (LENS) 3-729-002-01 s FILTER, VENTILATION 3-729-003-01 o FILTER (LETSIDE PLATE 2) 3-729-004-01 s FILTER (BOTTOM 2)		
1146 1147 1148 1149 1150	3-729-005-01 s FILTER (BNC) 3-729-006-01 s SHEST (AUDIO). DROP PROTECTION 3-729-007-01 p JAIRE, DRAMMENTAL, TOGGLE SM 3-729-072-01 s SCREM, 4K (4X8) 3-729-076-11 s SCREM (+B) (2X4)		
1151 1152 1153 1154 1155	3-729-033-01 • SHIBLD, FINGER 3-734-732-02 • BOLDER, CONDENSER 3-742-011-01 s SCEBW. 1/4, 3/8 CONVERSION 3-742-012-01 s SROB (B), CAMERA 3-742-015-01 • WEDGE (B), MUUNTING		

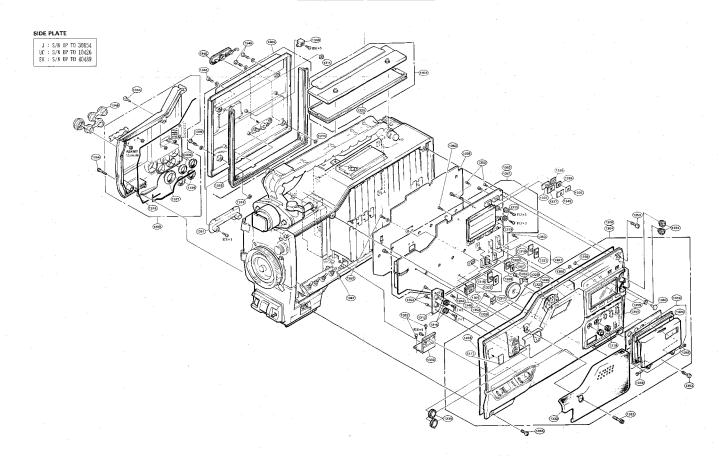
# REAR FRAME

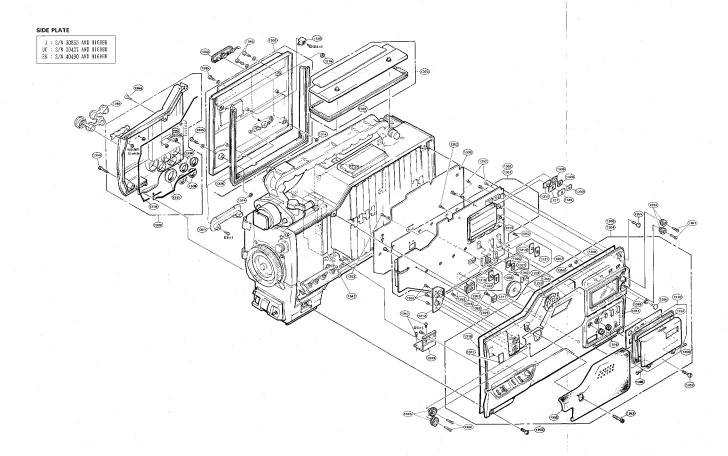
# REAR FRAME

No. Part No.	SP Rescription
NO. TATE NO.	31 Beach specion
	o MOUNTED CIRCUIT BOARD, PS-162J (J)
	o MOUNTED CIRCUIT BOARD, PS-162 (UC. EK)
1203 4-3/22-3/3-1	o HINGE (L) ASSY, SIDE PLATE o FRAME SUB ASSY, REAR
1205 1-563-029-21	s CONNECTOR, 3P MALE (UC, EX)
1206 1-563-030-21	o CONNECTOR, 3P FEMALE (J)
1207 1-304-003-11	s CONNECTOR, (WITH DC SW) 4P s CONNECTOR, 4P
1209 1-565-764-11	s CONNECTOR ASSY, BNC
1210 1-570-610-11	s SWITCH, TOGGLE (UC, BK)
1011 1 005 005 11	- DRIVERS GIRCUIS BOLDS BY FR
1212 3-711-715-01	s PRINTED CIRCUIT BOARD, FL-57
1213 3-718-028-01	o HOLDER, TERMINAL
1214 3-722-484-01	o SPACER, SW
1215 3-724-723-01	s RUBBER (BATT), DROP PROTECTION
1216 3-724-752-01	o HOLDER (PS), PC BOARD
1217 3-725-227-01	o BUSHING (P48) (J)
1218 3-725-239-01	s RUBBER (P48), DROP PROTECTION (UC, EK)
1219 3-725-295-11 1220 3-729-009-04	S SCREW (+) (B3)
1220 0-129-009-04	o insorbing (part)
1221 3-729-012-01	s SCREW (M2X5)
1222 3-729-035-01	S COVER, REAR CONNECTOR
1223 3-729-076-01 1224 3-729-076-11	s SURBW (+B) (2X3)
1664 0 169-010-11	a neutral (In) (Caff)



13-38







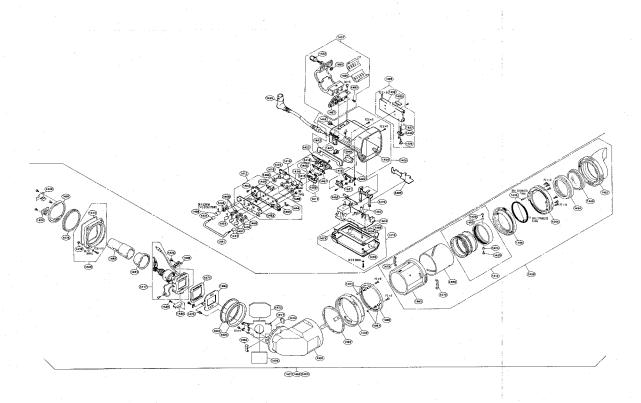
### SIDE PLATE

No.	Part No. SP Description		
1301 1302 1303 1304 1305	A-6713-368-A • MOUNTED CIRCUIT BOARD, TC-48A (J. UC A-6713-372-A • MOUNTED CIRCUIT BOARD, TC-48AP (BK) X-3722-376-5 • PANEL ASSY, TOP X-3722-380-8 • PLATE SUB ASSY, SIDE, RIGHT (J. UC) X-3722-399-4 • LID SUB ASSY	1341 1344 1345 1346 1347	3-725-290-03 s RUDBER (SW), DROP PROTECTION 3-725-293-03 o TAPE (3), ADDESIVE, SIDE PAD 3-725-295-11 s SCREW, (4) (63) 3-729-010-01 s RUBBER (VITC), DROP PROTECTION 3-729-010-023-01 o FILTER (MAIN)
1306 1307 1308 1309 1310	X-3722-415-6 o PLATE SUB ASSY (PAL), SIDE (EK) X-3722-416-1 s KNOB (A) (ORANGE) ASSY, SW X-3722-417-1 s KNOB (C) (ORANGE) ASSY, SW X-3722-432-0 PLATE ASSY, SIDE, LEFT X-3722-432-0 PLATE ASSY, SIDE, LEFT X-3722-440-1 o DOOR ASSY, ORAMENTAL	1348 1349 1350 1351 1352	3-729-036-01 o COVER, SIDE CONNECTOR 3-729-044-01 s SHEET, SLIDE 3-729-044-01 s SHEET, SLIDE 3-729-052-02 o BRACKET, TAPE 3-729-076-01 s SCREW (+B) (2X3)
1311 1312 1313 1314 1315	1-503-293-00 s SPBAKER 1-625-553-13 o PRINTED CIRCUIT BOARD, VR-70 1-808-502-11 s LCD-MODULE 3-668-595-00 s WASSER (2,3), STOPPER 3-676-088-00 o SHAFT, KNOB	1353 1354 1355 1356 1357	3-729-091-01 s SCREW (M4X17.5) 3-729-091-21 s SCREW (M4X22.5) 3-729-091-31 s SCREW (M4X10) 3-743-800-01 o SMAPT. DOOR 3-166-601-01 s SCREW (2.6), +B
1316 1317 1318 1319	3-676-244-00 s COVER, SWITCH 3-678-607-02 o LAGEL, FILTER 3-711-715-01 o RUBBER, SHIELD 3-717-900-01 s KNOB (A) (TC), SW	1358 1359 1360	3-724-757-02 s RETAINER, SM, PUSH 3-724-758-02 s RUBBER (PUSH), DROP PROTECTION 3-724-759-03 s PUSH (SW)
1320	3-717-900-01 s ANDB (A) (10), SM 3-717-901-01 s KNOB (C) (TC), SM 3-717-902-21 o Plate, ORNAMENTAL	1361	3-172-754-11 s SCREW, PRECISION +P1, 7 S/N 30855 AND HIGHER (J) 10427 AND HIGHER (UC)
1321 1322 1323 1324 1325	3-117-902-31 o FLATE. ORNAMENTAL 3-717-902-31 o FLATE. ORNAMENTAL 3-724-716-02 s SHBBER (DOOR). DROP PROTECTION 3-724-721-02 s KUBBER (TOP). DROP PROTECTION 3-724-721-02 s KUBBER (TOP). DROP PROTECTION	1362	40490 AND HIGHER (BK)
1326 1327 1328 1329 1330	3-724-725-02 \$ RUBBER (CA), DROP PROTECTION 3-724-725-02 \$ RUBBER (SLIDE), DROP PROTECTION 3-724-725-12 \$ RUBBER (SLIDE), DROP PROTECTION 3-724-725-01 O HOLDER, SPEAKER 3-724-727-01 \$ RWBB (L). \$ SPEAKER		10427 AND HIGHER (UC) 40490 AND HIGHER (EK)
1331 1332 1333	3-724-728-01 s KNOB (DL), SW 3-724-733-01 o PAD, SIBE 3-724-749-02 o HINGE (R), SIDE PLATE		
1334	3-724-754-02 s KMOB (R), VR S/N UP TO 30854 (J) UP TO 10426 (UC) UP TO 40489 (EK)		
	3-171-996-01 s KNOB (R), VR S/N 30855 AND HIGHER (J) 10427 AND HIGHER (UC) 40490 AND HIGHER (EK)		
1335	3-724-755-03 s KNOB (F), VR S/N UP TO 20854 (J) UP TO 10426 (BC) UP TO 40489 (EK)		
	3-171-996-01 s KNOB (P), VR S/N 30855 AND HIGHER (J)- 10427 AND HIGHER (UC) 40490 AND HIGHER (EK)		
1336 1337 1338 1339 1340	3-724-760-01 s RUBBER (BMC). DROP PROTECTION 3-724-761-01 s RUBBER (PB). DROP PROTECTION 3-725-225-01 in INSULATER (TC) 3-725-286-01 o STOPPER. CASSETTE 3-725-287-01 s RUBBER, DROP PROTECTION		

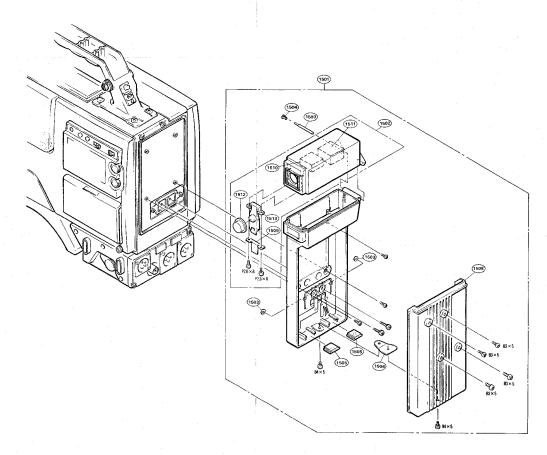
# VIEWPINDER

No. Part No. SP Description	No. Part No. SP Description
1401 A-7403-125-A o VP COMPLETE ASSY (J) 1402 A-7403-132-A o VP COMPLETE ASSY (UC) 1403 A-7403-132-A o VP COMPLETE ASSY (EK) 1404 ΔA-7513-842-B o MOUNTED CIRCUIT OBARD, VP-32 1405 A-7612-320-B o GUIDE ASSY, VP SLIDE	1451 3-722-488-01 s XNOB 1452 2-722-488-05 SBACKET, PC BOARD 1453 3-722-49-01 o BRACKET, VR SN 1454 3-722-002-12 o PF QM189 1455 3-723-068-02 o PROTECTOR, NC
1406 A-7612-389-A s TUBE SUB ASSY, VF 14077 A-7612-390-A o HOLDER ASSY, NICHOPHONE 1408 X-3710-050-5 o VF (MAIN) BLOCK ASSY 1409 X-3722-368-6 o TUBE ASSY, VF ROTARY GUIDE 1410 X-3722-368-5 o LID ASSY, VF	1456 3-722-079-01 c CUSHION MIRROR 1457 3-722-079-01 s EVE CUP 1458 3-724-744-03 o MASHER 1409 3-724-745-01 o SBEET (C), INSULATING 1400 3-724-746-01 o SBEET (B), INSULATING
1411	1461 3-725-220-02 o TUBE (A), CRT 1462 3-725-221-04 o TUBE (B), CRT 1463 3-725-257-01 o BOSS 1464 3-725-258-03 o STUPPER, ROTARY 1465 3-725-727-01 LABEL, 100K
1416 1-238-298-11 s RES, VAR, CARBON 10k 1417 1-546-068-22 s 1.5 C ET ASSY 1418 1-570-884-11 s SWITCH, TOBGLE 1419 1-570-88-11 s SWITCH, TOBGLE 1420 1-225-088-11 o FRINTED CIRCUIT BOARD, LP-40	1466 3-725-727-01 & KNDB (B) 1467 3-725-727-01 > PACKING (W). DROP PROTECTION 1468 3-725-729-01 > PACKING (W). DROP PROTECTION 1469 3-725-280-01 > PACKING (A), DROP PROTECTION 1470 3-725-282-30 = RIMSE, PE CONTROL 1470 3-7
1421     1-625-087-11 o PRINTED CIRCUIT BOARD, LP-42       1422     1-625-088-12 o PRINTED CIRCUIT BOARD, 89-260       1423     1-625-089-11 o PRINTED CIRCUIT BOARD, 18-67       1424     1-635-204-11 o PRINTED CIRCUIT BOARD, 18-58       1425     1-945-970-11 s MARNESS (VF CABLS)	1471 3-729-062-01 o SPACER MASK 1472 3-729-099-01 o MIRKUR 1473 3-728-701-21 S RUBBER (CARBON), CONDUCTIVE 1474 3-734-739-01 o SHEDT, INSULATING, MASK 1475 3-734-749-01 o SUPPORT
1426 2-277-457-00 s kNdB, STOPPER 1427 2-277-468-01 s SPRIG, COMPRESSION 1428 3-165-162-01 s SCREW (+P2,6X5) (TYPE1) 1429 3-33-207-01 s SHAFT, MOTOR 1439 3-373-150-00 s SPRIMS, COMPRESSION	1476 3-734-750-01 o RING 1477 3-742-001-01 o NOLDER (2), MIRROR 1478 3-742-004-01 s RING, VYLON 1479 3-742-038-01 o NUT (2), PLATE 1480 3-742-038-01 s CUSHION, MICROPBONE
1431 3-657-654-00 o RING, ORNAMENTAL 1432 3-657-657-00 s SCREW (VG) 1433 3-672-241-00 o RING (8), SLEEVE 1434 3-672-250-00 o RING (82, S), O 1435 3-680-595-01 o SUPPORT, ROTARY	1481 3-742-045-01 o TUBE 1482 3-742-046-01 o BRAINET, SAFETY 1483 3-742-051-01 o LABEL 1484 3-742-052-01 o NULDER, EYE CUP 1485 3-742-053-01 o RING
1436 3-885-104-01 s NUT (40). CONTROL 1437 3-885-118-01 o SPACER, RING 1438 3-865-129-01 o SPRING (4), LBAF, VF 1439 3-719-007-02 s UIDE, VP SLIDE 1440 3-719-008-02 s BOUSE, NF SLIDE	1485 3-742-054-01 o TUBE 1487 3-742-057-01 o BASE, MICROPHONE HOLDER 1488 3-742-058-01 o RING, FIRED 1489 3-742-059-01 o RING, ROLD 1490 3-742-060-01 o HOLDER, RING
1441 3-716-342-02 o GUARD, CONNECTOR 1442 3-720-946-01 o PIN. MICERPENSE STOPPER 1443 3-720-977-01 o PACKING (A). BROP PROTECTION 1444 3-720-978-01 s PACKING (B), BROP PROTECTION 1445 3-722-474-05 o BRACKET, LP	1491 3-742-062-01 o TUBE (2), VF 1492 3-742-069-01 o PLATE (C), DISPLAY 1493 3-742-074-01 s SCREW (3KG) 1494 3-742-075-01 s UNDUER, PILITER 1495 3-165-904-01 s WASHER, SCREW STOPPER
	1496 3-166-307-01 o PLATE, SRIELD S/N 30035 and higher (I) 10021 and higher (IC) 40023 and higher (EK)

VIEWFINDER



BVW-400 (J/UC) BVW-400P (EK)



### BATTERY CASE

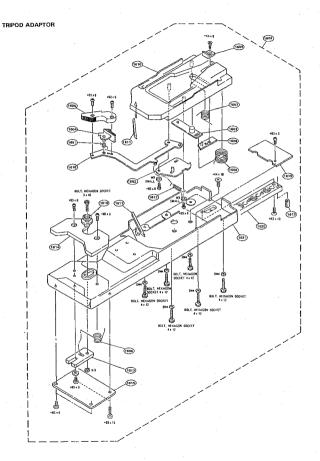
#### SP Description Part No.

- 1501
- A-6703-651-P s CASE ASSY, BATTERY X-3717-701-3 o COVER ASSY, TOP. BATTERY 3-689-589-00 s MASHER (2, 3), STOPPER 3-703-075-00 s CAP 2, SHAFT 3-717-707-02 o CESHION (2) 1502
- 1503 1504
- 1505
- 1506
- 1507
- 3-717-708-01 o RETAINER, CASE 3-717-709-01 o SHAFT, LIO 3-718-040-01 o COVER (1), BATTERY CASE 3-718-172-01 o RETAINER, HOOK 3-729-720-01 o CUSHION (LEFT) 1508 1509
- 1510
- 1511 3-729-721-01 o CUSHION (RIGHT) 1512 3-717-702-01 s PUSH BUTTON 1513 3-717-703-03 s HOOK

# TRIPOD ADAPTOR

# TRIPOD ADAPTOR

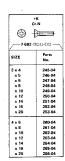
No.	Part No. SP Description
1602 1603 1604	2-381-631-01 o SPRING 2-381-632-01 o ARM. LOCKER 2-381-633-01 o SDLEMOID 2-381-635-01 o LEPER, LOCK 2-381-635-01 o KNOB
1607 1608 1609 1610	2-381-637-01 o SPRING 2-381-638-01 o SPRING 2-381-640-01 o DUG 2-381-641-01 o COLLAR 2-381-641-01 o MOUNT
1611 1612 1613 1614 1615	2-381-648-01 o INUSLATOR, KNOB 2-381-652-01 o SPRING, TENSION 2-381-654-01 s PIN, SPRING 3-678-704-00 o SPACER
1616 1617 1618 1619 1620	3-720-908-61 o TABLE (S), FIN, REAR 3-720-909-01 o KNOB, CRANK 3-720-910-01 o SHEET, SLIDE
	3-720-912-01 o FRAME (S) OPTIONAL ACCESSORY: TRIPOD ADAPTOR "VCT-14"



# **SCREWS**

# SCREWS

+PS Czn-N			
7-628- □	7-628-000-00		
2 × 4	255-20		
× 5	283-00		
× 8	255-40		
× 8	255-50		
× 10	283-10		
× 12	283-70		
2.5 × 4	284-90		
× 5	284-10		
× 6	284-20		
× 8	284-30		
× 10	254-40		
× 12	259-70		
× 14	259-80		
× 16	260-00		
× 20	260-29		

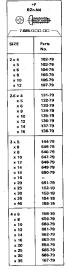


BZn-N	
(₽) €	
<b>/7-621-</b> □	∞-`∞-
Size	Parts No.
2 × 3	772-00
×4	772-10
×5	772-20
× 6	772-30
×B	772-40
× 10	772-50
× 12	772-60
× \$4	772-78
× 16	772-80
× 20	4.0
2.6 × 3	775-00
×4	775-10
×5	775-20
×6	773-95
× 8	775-40
× 10	775-50
× 12	775-60
× 14	775-70
× 16	775-80
× 20	775-90

+B Bro.N

	+B r-N
⊕ (	
7-621-0	
SIZE	Parts No.
2 × 3	772-08
× 4	772-18
x 5	771-06
× 6	772-38
x 8	772-48
× 10	772-58
x 12 x 14	772-68 772-78
x 14 x 16	772-78
× 20	-
2.6 x 3	775-08
×4	773-86
×5	770-87
× 6-	770-67
×8	770-99
× 10	773-87
× 12	775-68 775-78
x 14 x 16	775-78
× 16	775-89
x 20	7,3-91

	sw n.4 #====================================
SIZE	Perts No.
3 x 6 x 8 x 10 x 12 x 14 x 16 x 20 x 25 x 30 x 35 x 40	947-01 948-01 949-01 950-01 951-01 952-01 953-01 965-01 956-01
4 x 8 x 10 x 12 x 14 x 16 x 20 x 25 x 30 x 35 x 40	961-01 962-01 963-01 964-01 965-01 966-01 967-01 968-01 969-01 970-01





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~-7-682-□	00-00
SIZE	Parts No.
3 × 4	245-09
x 5	246-09
x 6	247-09
8 x	248-09
× 10	249-09
x 12	250-09
x 14 .	251-09
x 16	252-09
x 20	253-09
4 × 6	260-09
x 8	261-09
× 10	262-09
x 12	263-09
× 14	264-09
× 16	265-09
x 20	266-09
5 × 8	274-09
× 10	275-09
× 12	276-09
x 14	277-09
x 18	278-09
× 20	279-09
x 25	280-09
x 30	281-09 282-09
× 35	282-09
x 40	283-09
× 45	285-09
× 60	285-09

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7-692:0	00-00 —
SIZE	Parts No.
3 x 3	544-09
× 4	545-09
× 5	546-09
x 6	547-09
x 8	548-09
x 10	549-09
x 12	550-09
x 14	551-09
x 16	552-09
x 20	553-09
× 30	555-09
4 x 4	558-09
x 5	559-09
x 6	560-09
x 8	561-09
x 10	562-09
x 12	563-09
× 14	564-09
x 16	565-09
x 20	566-09
5 x 8	574-09
× 10	575-09
× 12	576-09
x 14	577-09
x 16	578-09
x 20	579-09

+B Bzn-N

c.	-N	i
⊕ (	<b>=</b>	
<b>/7-682-</b> □	aa-ab-\	
Size	Parts No.	
3 × 3 × 4 × 5 × 5 × 8 × 10	544-04 545-04 548-04 547-04 548-04 549-04	
× 12 × 14 × 16 × 20	550-04 551-04 552-04 553-04	
4 × 4 × 5 × 6 × 8 × 10 × 12 × 14 × 16	559-04 559-04 560-04 561-04 562-04 563-04 564-04 565-04	
× 20 × 25 × 30 × 35 × 40 × 45 × 50	586-04 567-04 569-04 569-04 570-04 571-04 572-04	
5 × 8 × 10 × 12 × 14 × 16 × 20 × 25 × 30	574-04 575-04 576-04 577-04 579-04 579-04 580-04 581-04	

SIZE	Parts No.
1.7 x 1.8	
× 2	-
x 2.2	-
x 2.5	_
x 2.8	-
x 3	-
x 3.5	-
×4	-
x 4.5	-
x 5	-
x 5.5	
x 6	-
2 x 2	452-07
x 2.2	452-87
x 2.5	
x 2.8	1 -
×3	452-17
x 3.5	l –
×4	452-27
x 4,5	-
x5	l -
x 5.5	-
x 6	-
x 7	452-67
x 8	1 -
2.6 x 3.5	-
x 4	454-17
x 4.5	1 -
× 5	454-37
× 5.5	
×6	l
×7	1 -
- B	1 -

SIZE	Parts No.
	140.
1.7 x 1.8	-
x 2	450-28
x 2.2	-
x 2.5	450-48
x 2,8	-
x 3 x 3.5	450-58
x 4.5	450-78
x 4.5	450-76
x 4.5	450-98
¥ 5.5	
x 6	l -
2 × 2	452-08
× 2.2	452-88
x 2.5	452-48
x 2.8	1 -
x 3	452-18
x 3,5	452-98 452-28
x 4 x 4.5	452-28
x 4.5	452-38
x 5.5	402-30
x 6	452-58
x 7	452-68
×8	452-78
2,6 × 3,5	-
x 4	l -
x 4.5	454-28
x 5	454-38
× 5.5	-
×6	1 -
× 7	! -
×8	1 -

PRECISION +P 7-627- 🗆 🗆 - 🗆 🗆 -

Size		Parts No.
1.7	× 1.6	552-18
	× 1.8	-
	× 2	552-28
	× 2,2	-
	× 2.5	552-08
	× 2.8	~
	×3	552-38
	× 3.5	552-78
	× 4	552-48
Ι.	× 4.5	
1	× 5	552-58
1	× 5.5	
1	×s .	552-68
	^•	552-98
	1.8	554-38
	2	553-18
	2.2	333-10
	2.5	553-28
	2.8	554-68
	3	553-38
	3.5	554-18
	4	553-48
	4.6	553-58
	5	554-28
l ×	5.5	554-68
l ×	6	553-68
l ×	7	553-88
×	8	553-98
×	9	554-48
×	10	553-78
2.6	× 2.8	556-08
	×3	-
	× 3.5	556-28
	× 4	556-38
	× 4.5	556-48
1	× S	556-58
1	× 5.5	-
1	× 6	556-78
1	×7	-
1	× 8	556-98
1	× 9	I
1	× 10	557-48

PRECISION +P (-) 7-627-000-00-

Size	Parts No.	
1.7 × 1.8	-	
× 1.8	- '	
× 2	552-27	
× 2.2	552-87	
× 2.5	552-07	
× 2,8	-	
× 3	552-37	
× 3.5	- 1	
× 4	552-47	
× 4.5	552-67	
× 5	552-57	i
× 5.5	557-07	
× 8	552-77	
×8	552-97	
2×1.8	554-37	
× 2	553-17	
× 2.2	554-07	
× 2.5	553-27	
× 2.8	-	
×3	553-37	
× 3.5	554-17	
×4	553-47	
× 4.5	553-57	
×5	553-67	1
× 5.5	-	i
×6	554-27	
×7	553-87	1
×a	553-97	l
× 10	553-77	
2.6 × 2.8	556-07	
×3		
× 3.5	-	
×4	555-37	
× 4.5	-	1
× S	556-57	
× 5.5	-	i
×6	556-77	ı
×7	-	ı
×8	556-97	Ι.
2 × 9	-	Ι.
× 10	557-47	

BOLT, HEXAGON SOCKET SNCM6 BZs-N4	

	7-683-□	
	SIZE .	Parts No.
	3 x 4 3 x 5	401-04 402-04
	3×6	402-04
	3 x 8	404-04
	3 x 10	405-04
	3 x 10	405-04
	3 x 12	406-04
	3 x 16	408-04
	3 x 20	410-04
	3 1 20	410-04
	4 x 5	417-04
	4 × 6	418-04
	4 x 8	419-04
	4 x 10	420-04
	4 x 12 4 x 14	427-04 422-04
	4 x 14	422-04
	4 x 16	423-04
	4 x 25	427-04
	4 X 25	427-04
	5 x 8	434-04
	5 x 10	435-04
- 1	5 x 12	436-04
	5 x 14	437-04
	5 x 16 5 x 20	438-04 440-04
	5 x 20 5 x 25	442-04
	5 x 30	444-04
	5 × 50	447-04
	6 x 10	452-04
	6 x 12	483-04
	6 x 14	454-04
	6 x 16	455-04
	6 x 20	457-04
	6 x 25	459-04
	6 x 30	461-04
	6 x 35	463-04
	6 × 40	465-04
	6 x 45	466-04
	6 x 55	468-04
	8 x 12	470-04
	8 x 14	471-04
	8 x 16	472-04
	8 x 20	473-04
- 1	8 x 25	474-04
	8 x 30	475-04
	8 x 35	476 04
	8 x 40	477-04
	8 x 45 8 x 50	478-04
	0 x 30	479-04

SNC	SNCM6-PD					
	$\triangleright$					
7-621-000-00-						
SIZE	Parts No.					
2 x 2,5 2 x 3 2 x 4 2 x 5 2 x 6	731-08 732-08 733-08					
2.6 x 3 2.6 x 4 2.6 x 5 2.6 x 6	737-08 738-08 739-08 740-08					

HEXAGON SET SCREW

CAPACITUR, CHIP CERAMIC	CAPACITOR, CHIP TANTALUM
Part No. SP Description	Part No. SP Description
1-163-083-00 s CAP, CHIP CERAMIC 1pF +-0.25pF 50V 1-163-085-00 s CAP, CHIP CERAMIC 2pF +-0.25pF 50V 1-163-087-00 s CAP, CHIP CERAMIC 4pF +-0.25pF 50V 1-163-083-00 s CAP, CHIP CERAMIC 6pF +-0.25pF 50V +-0.5pF 50V +-0.5pF 50V	1-135-070-09 s CAR CHIP TANTALIN 0.1 10% 35V 1-135-071-21 s CAP, CHIP TANTALIN 0.15 10% 35V 1-135-072-21 s CAP, CHIP TANTALIN 0.22 10% 35V 1-35-073-09 s CAP, CHIP TANTALIN 0.22 10% 35V 1-35-145-11 s CAP, CHIP TANTALIN 0.47 20% 35V
1-163-093-00 s CAP, CHIP CERAMIC 10PP 3X 50V 1-163-097-00 s CAP, CHIP CERAMIC 15PP 5X 50V 1-163-101-00 s CAP, CHIP CERAMIC 22PP 3X 50V 1-163-105-00 s CAP, CHIP CERAMIC 32PP 3X 50V 1-163-109-00 s CAP, CHIP CERAMIC 3	1-135-074-21 s CAP, CHIP TANTALUN 0.47 10% 35V 1-135-087-21 s CAP, CHIP TANTALUN 0.68 10% 20V 1-135-075-21 s CAP, CHIP TANTALUN 0.68 10% 35V 1-135-097-00 s CAP, CHIP TANTALUN 1.0 10% 13V 1-135-076-21 s CAP, CHIP TANTALUN 1.0 10% 35V
1-163-113-00 s CAP, CHIP CERAMIC 68pP 5% 509 1-163-117-00 s CAP, CHIP CERAMIC 100pF 5% 509 1-163-122-00 s CAP, CHIP CERAMIC 150pF 5% 509 1-163-125-00 s CAP, CHIP CERAMIC 220pF 5% 509 1-163-125-00 s CAP, CHIP CERAMIC 220pF 5% 509 1-163-129-01 s CAP, CHIP CERAMIC 220pF 5% 509	1-135-152-21 s CAP, CHIP TANTALUM 1.5 108 35V 1-135-077-21 s CAP, CHIP TANTALUM 1.5 108 35V 1-135-153-21 s CAP, CHIP TANTALUM 2.2 108 25V 1-135-078-21 s CAP, CHIP TANTALUM 2.2 108 35V 1-135-092-21 s CAP, CHIP TANTALUM 3.3 108 16V
I-163-133-00 s CAP, CHIP CERANIC 470pP 5% 50V 1-163-137-00 s CAP, CHIP CERANIC 680pP 5% 50V 1-163-141-00 s CAP, CHIP CERANIC 1001pP 3% 50V 1-163-145-00 s CAP, CHIP CERANIC 1501pF 10% 50V 1-163-145-01 s CAP, CHIP CERANIC 2001pP 10% 50V	1-135-079-21 s CAP, CHIP TANTALUM 3,3 10% 359 1-135-155-21 s CAP, CHIP TANTALUM 4,7 10% 169 1-135-085-21 s CAP, CHIP TANTALUM 4,7 10% 259 1-135-156-21 s CAP, CHIP TANTALUM 6,8 10% 209 1-135-089-21 s CAP, CHIP TANTALUM 6,8 10% 209
	1-135-159-21 s CAP, CHIP TANTALUM 10 10% 20V 1-135-997-21 s CAP, CHIP TANTALUM 15 10% 10V 1-135-161-21 s CAP, CHIP TANTALUM 22 10% 10V 1-135-166-21 s CAP, CHIP TANTALUM 47 10% 10V
1-163-034-00 s CAP, CHIP CERAMIC 0.033 50V 1-163-035-00 s CAP, CHIP CERAMIC 0.047 50V 1-163-036-00 s CAP, CHIP CERAMIC 0.068 50V 1-163-038-00 s CAP, CHIP CERAMIC 0.1 50V	

# RESISTOR, CHIP

Part No. SP Descript	Part	lescript	Lon
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rast no.	31	pusu.	· rpcro			
1-216-295-00 1-216-298-00	S	RES, Res,	CHIP	0 2.2 2.7 3.3	5% 5%	1/10W 1/10W
1-216-302-00	s	RES,	CHIP	2.7	5%	1/10W
1-216-304-11	s	RES.	CHIP	3, 3	5%	1/10W
1-216-306-11	S	RES,	CHIP	3. 9	5%	1/10W
1-216-308-00	s	RES.	CHIP	4.7	5%	1/10W
1-216-309-00	s	RES,	CHIP	5. 6	5%	1/10W
1-216-311-00	s	RES.	CHIP	6, 8	5%	1/10W
1-216-313-00	s		CHIP	8. 2	5%	1/10W
1-216-001-00	S	RES,	CHIP	10	5%	1/10W
1-216-003-11	s	990	CHIP	12	5%	1/10W
1-216-005-00	s		CHIP	15	5%	1/100
1-216-007-00	S		CHIP	18	5%	1/100
1-216-009-00	5	RES.	CHIP	22	5%	1/10W
1-216-011-00	s		CHIP	27	5%	1/10%
1-216-013-00	s	RES,	CHIP	33	5%	1/10W
1-216-015-00	S	RES.	CHIP	39	5%	1/10W
1-216-017-00	s		CHIP	47	5%	1/10W
1-216-019-00	s	RES,	CHIP	56	5% 5%	1/10W
1-216-021-00	S	RES,	CHIP	68	33	1/10W
1-216-023-00	s	RES.	CHIP	82	5%	1/10W
1-216-025-00	s	RBS.	CHIP	100	5%	1/10W
1-216-027-00	\$	RES,	CHIP	120	5%	1/10W
1-216-029-00		RES,		150	5%	1/10W
1-216-031-00	s	RES,	CHIP	180	5%	1/10W
1-216-033-00	s	RES.	CHIP	220	5%	1/10N
1-216-035-00	s		CHIP	270	5%	1/10W
1-216-037-00	s	RES,	CHIP	330	5%	1/10%
1-216-039-00	s		CHIP	390	5%	1/10W
1-216-041-00	S	RES,	CHIP	470	5%	1/10W
1-216-043-00	s	RES,	CHIP	560	5%	1/10W
1-216-045-00	s	RES,	CHIP	680	5%	1/10W
1-216-047-00	S	RES.	CHIP	820	5%	1/10W
1-216-049-00	S	RES.	CHIP.	1k	5%	1/10W
1-216-051-00	s	RES.	CHIP	1. 2k	5%	1/10W
1-216-053-00	s	RES,	CHIP	1. 5k	5%	1/10W
1-216-055-00 1-216-057-00	s	RES.	CHIP	1. 8k 2. 2k 2. 7k	5%	1/10W
1-216-057-00	s	RES.	CHIP	2. 2k	5%	1/10%
1-216-059-00	s	RES,	CHIP	2.7k	5%	1/10H
1-216-061-00	s	RES.	CHIP	3, 3k	5%	1/10W
1-216-063-00	s	PRC	CHIP	2 OF	5%	1/10W
1-216-065-00	s	RES.	CHIP	3. 9k 4. 7k	5%	1/104
1-216-067-00	S		CHIP	5. 6k	5%	1/10N
1-216-069-00	s		CHIP.	6. 8k	5%	1/10%
1-216-071-00	s	RES,	CHIP	8, 2k	5%	1/10%
			onte			
1-216-073-00	S	KES,	CHIP	10k	5% 5%	1/10%
1-216-075-00 1-216-077-00	S	RES, Res,	CHIP	12k 15k	5% 5%	1/10W 1/10W
1-216-077-00	S	RES,	CHIP	18k	5%	1/10%
1-216-079-00			CHIP	22k	5%	1/10#
1-216-083-00	s	RES.	CHIP.	27k 33k	5%	1/10W
1-216-085-00	s	RES,	CHIP	33k	5%	1/10%
1-216-748-11		RES,	CHIP	39k	5% 5%	1/10W 1/10W
1-216-089-00 1-216-091-00			CHIP	47k 56k	5% 5%	1/10W
1-510-031-00	3	ano,	CHIF	JUK	979	17 10W

### RESISTOR, CHIP

## Part No. SP Description

1-216-093-00 1-216-095-00 1-216-097-00 1-216-099-00 1-216-101-00	s RES, s RES, s RES,	CHIP CHIP CHIP CHIP CHIP	82k 100k 120k	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
1-216-103-00 1-216-105-00 1-216-107-00 1-216-109-00 1-216-111-00	s RES. s RES, s RES,	CHIP CHIP CHIP CHIP CHIP	220k 270k 330k	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
1-216-117-00	s RES. s RES, s RES,	CHIP CHIP CHIP CHIP CHIP	560k 680k 820k	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
1-216-123-11 1-216-125-00 1-216-127-11 1-216-129-00 1-216-131-11	s RES, s RES, s RES,	CHIP CHIP CHIP CHIP	1.5M 1.8M 2.2M	5% 5% 5%	1/10W . 1/10W 1/10W 1/10W . 1/10W
1-216-133-00		CHIP			1/10W

AFM-6P		(AFM-6P	BOARD)
Ref. No. or Q'ty		Ref. No. or Q'ty	Part No. SP Bescription
1pc 1pc 1pc 5pcs	A-6713-350-A o MOUNTED CIRCUIT BOARD, APM-6P 3-724-705-01 o PLATE (APM-6), ORNAMENTAL 3-724-753-01 o RING 3-729-061-01 s SCREW (M2X4.5) (TYPE 1)	CV102 CV103 CV104	1-141-370-11 s CAP, CHIP TRIMMER 50PF 1-141-370-11 s CAP, CHIP TRIMMER 50PF 1-141-370-11 s CAP, CHIP TRIMMER 50PF
1pc C1 C2 C3 C7	7-688-001-12 s W 2. MIDDLE 1-126-391-11 s ELECT 47WF 20% 6.3V 1-126-391-11 s ELECT 47WF 20% 6.3V 1-126-392-11 s ELECT 100WF 20% 6.3V 1-126-390-11 s ELECT 22WF 20% 6.3V	D201 D402 D501 D502 D503	8-719-800-76 s D100E 1SS226 8-719-800-76 s D100E 1SS226 8-719-800-76 s D100E 1SS226 8-719-800-76 s D100E 1SS226 8-719-800-76 s D100E 1SS226
C101	1-126-390-11 s ELECT 22uF 20% 6.3V 1-164-005-11 s CERANIC 0.47uF 25V	D504 D505 D506	8-719-800-76 s D10DE 1SS226 8-719-104-31 s D10DE 1S2838 8-719-104-34 s D10DE 1S2836
C105 C108	1-164-005-11 s CERAMIC 0 47uF 25V 1-164-005-11 s CERAMIC 0 47uF 25V	FL1	1-236-019-11 s FILTER, LOW PASS (CHIP)
C115 C117 C120 C201 C401	1-126-392-11 s ELECT 1000F 203 6, 3V 1-126-391-11 s ELECT 47uF 20% 6, 3V 1-164-005-11 s CERAMIC 0, 47uF 25V 1-135-149-21 s TANTALUM CHIP 2, 2uF 10% 10V 1-126-394-11 s ELECT 10uF 20% 16V	IC1 IC2 IC3 IC4 IC401	8-741-152-44 s IC SBX1524-52 8-759-209-15 s IC TC4SU69F 8-759-209-15 s IC TC4SU69F 8-759-209-15 s IC TC4SU69F 8-759-209-15 s IC TC4SU69F 8-759-100-94 s IC UPC35862
C402 C403 C405 C501 C502	1-126-390-11 s ELECT 220F 20% 6, 3V 1-126-390-11 s ELECT 220F 20% 6, 3V 1-126-390-11 s ELECT 120F 20% 6, 3V 1-126-394-11 s ELECT 100F 20% 16V 1-126-394-11 s ELECT 100F 20% 16V	IC501 IC502 IC503 IC504 IC505	1-236-003-11 s FILTER, LON PASS 8-752-009-90 s IC CX20099 8-759-403-92 s IC ANG391NS 8-759-403-92 s IC ANG391NS 8-759-209-15 s IC TC48169F
C503 C504 C529	1-126-394-11 s ELECT 10uF 20% 16V 1-126-394-11 s ELECT 10uF 20% 16V 1-126-390-11 s ELECT 22uF 20% 6.3V	10506 10507 10601	8-759-700-38 s IC NJM4559M 8-759-700-38 s IC NJM4559M 8-759-100-96 s IC UPC455862
C530 C543 C544 C545	I-126-390-11 s BLECT 22# 20% 6.3V 1-135-157-21 s TANTALUN CHIP 10# 10% 6.3V 1-135-136-21 s TANTALUN CHIP 6.8# 10% 35V 1-164-148-11 s CERAMIC CHIP 0.0082# 10% 50V	L1 L2 L3 L4	1-410-393-11 s INDUCTOR CHIP 1000H 1-410-393-11 s INDUCTOR CHIP 1000B 1-410-658-31 s INDUCTOR CHIP 2200H 1-410-381-11 s INDUCTOR CHIP 100H
C546 C547 C548 C549 C552	1-126-392-11 s ELECT 100uF 20% 6.3V 1-163-088-00 s CERAMIC CHIP 5PP 0.25PF 50V 1-164-147-11 s CERAMIC CHIP 0.0047WF 10% 50V 1-136-160-00 s MYLAR 0.039WF 10% 50V 1-126-390-11 s ELECT 22uF 20% 6.3V	L6 L101 L102	1-410-389-31 s INDUCTOR CHIP 470H 1-408-779-31 s INDUCTOR CHIP 150H 1-410-393-11 s INDUCTOR CHIP 1000H 1-410-393-11 s INDUCTOR CHIP 1000H
C553 C554 C558 C559 C560	1-126-390-11 s ELBCT 224F 20% 6, 3V 1-126-390-11 s ELBCT 224F 20% 6, 3V 1-135-157-21 s TAYTALUM CHIP 104F 10% 6, 3V 1-135-136-21 s TAYTALUM CHIP 8, 00F 10% 35V 1-164-148-11 s CERAMIC CHIP 0, 00824F 10% 50V	01 02 03 04 05	8-729-905-12 s TRANSISTOR BTA144EU 8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU 8-729-117-32 s TRANSISTOR 25C4177-L6 8-729-117-32 s TRANSISTOR 25C4177-L6
C561 C562 C565 C567 C568	1-163-088-00 s CERAMIC CHIP 5PF 0, 25PF 507 1-164-147-11 s CERAMIC CHIP 0,0047uF 10% 50V 1-138-160-00 s WILAR 0,039uF 10% 50V 1-128-390-11 s ELECT 22uF 20% 6,3V 1-128-390-11 s ELECT 22uF 20% 6,3V	96 97 98 9 9101	8-729-117-16 s TRANSISTOR 2SA1611-M6 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-16 s TRANSISTOR 2SA1611-M6 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178
CN1 CN2	1-566-960-11 o CONNECTOR, 50P, MALE 1-566-388-11 s CONNECTOR, 2P, MALE	Q102 Q103 Q104	8-729-905-12 s TRANSISTOR DTA144EU 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178
CNJ2	1-565-413-11 o PLUG, SHORTING	9105 9106	8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178

1-141-370-11 s CAP, CHIP TRIMMER 50PP 1-141-370-11 s CAP, CHIP TRIMMER 50PP

CV1

CV2 CV3

CV4 CV101 8-729-117-72 s TRANSISTOR 2SC4178 8-729-117-72 s TRANSISTOR 2SC4178 8-729-199-44 s TRANSISTOR 2SC94 8-729-199-44 s TRANSISTOR 2SC94 8-729-199-44 s TRANSISTOR 2SK94

0107 0108 0109

9110 9111

13-54

### (AFM-6P BOARD)

(ACA-OC	DUARB)	(APR-6P	BUARD)
Ref. No		Ref. No.	
or Q'ty	Part No. SP Bescription	or Q'ty	Part No. SP Description
****	4 500 100 11		
0112	8-729-109-44 s TRANSISTOR 2SK94	. R101	1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
Q113 Q115	8-729-117-72 s TRANSISTOR 2SC4178	R102 R103	1-216-825-11 s METAL CHIP 2. 2K 5% 1/16W
Q121	8-729-905-12 s TRANSISTOR BTA144EU	R103	I-218-288-11 s METAL CHIP 300 5% 1/16W 1-216-821-11 s METAL CHIP 1K 5% 1/16W
4161	8-729-109-44 s TRANSISTOR 25K94	R105	1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
Q122	8-729-109-44 s TRANSISTOR 2SK94		1 520 505 21 - Noting Shift E, En Oil E, Con
0123	8-729-109-44 s TRANSISTOR 25K94	R106	1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
0124	8-729-109-44 s TRANSISTOR 2SK94	R107	1-216-809-11 s METAL CHIP 100 5% 1/16W
Q155	8-729-117-32 s TRANSISTOR 2SC4177-L6	R108	1-216-825-11 s METAL CHIP 2.2K 5% 1/16W
<b>Q156</b>	8-729-117-16 s TRANSISTOR 2SA1611-M6	R109	1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
0157	9 700 11E 90 - ESTADOROS OSCILER LO	R110	1-216-821-11 s METAL CHIP 1K 5% 1/16W
Q157 Q158	8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-109-44 s TRANSISTOR 2SK94	R111	1-216-805-11 s METAL CHIP 47 5% 1/16W
Q159	8-729-109-44 s TRANSISTOR 25894	R112	1-216-821-11 s METAL CHIP IK S% 1/16W
0160	8-729-109-44 s TRANSISTOR 25K94	R113	I-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
0161	8-729-109-44 s TRANSISTOR 25K94	R114	1-216-821-11 s METAL CHIP IK 5% 1/16W
	o rae teo 11 - Hameteren Ednog	R116	1-216-817-11 s METAL CHIP 470 5% 1/16W
0170	8-729-117-16 s TRANSISTOR 2SA1611-M6		
9201	8-729-106-68 s TRANSISTOR 2SD1615A-GP	R117	1-216-845-11 s METAL CHIP 100K 5% 1/16H
0202	8-729-106-68 s TRANSISTOR 2SB1615A-GP	R118	1-216-837-11 s METAL CHIP 22K 5% 1/16W
9401	8-729-807-50 s TRANSISTOR 2SD1623	R119	1-216-845-11 s METAL CHIP 100K 5% 1/16W
0402	8-729-905-18 s TRANSISTON BTC144EU	R120	1-216-837-11 s METAL CHIP 22K 5% 1/16W
9501	0 700 000 02 - EDANCIEROS OCCADIOS	R121	1-216-845-11 s MBTAL CHIP 100K 5% 1/16W
0502	8-729-209-07 s TRANSISTOR 2SC4213B 8-729-209-07 s TRANSISTOR 2SC4213B	R122	1-216-837-11 s METAL CHIP 22K 5% 1/16W
9503	8-729-209-07 s TRANSISTUR 2SC4213B	R123	1-216-845-11 s METAL CHIP 100K 5% 1/16W
4000	6 125 255 01 5 TANNOTOTOK 20042135	R124	1-216-837-11 s METAL CHIP 22K 5% 1/16W
R1	1-216-833-11 s METAL CHIP 10K 5% 1/16W	R126	1-216-817-11 s METAL CHIP 470 5% 1/16W
R2	1-216-833-11 s METAL CHIP 10K 5% 1/16W	R127	1-216-845-11 s METAL CHIP 100K 5% 1/16W
R3	1-216-832-11 s METAL CHIP 8, 2K 5% 1/16W		
R4	1-216-833-11 s METAL CHIP 10K 5% 1/16W	R128	1-216-817-11 s METAL CHIP 470 5% 1/16W
R5	1-216-828-11 s METAL CHIP 3.9K 5% 1/16W	R129	1-216-845-11 s METAL CHIP 100K 5% 1/16W
		R130	1-216-817-11 s METAL CHIP 470 5% 1/16W
R6 R7	1-216-835-11 s METAL CHIP 15K 5% 1/16W	R131 R132	1-216-845-11 s METAL CHIP 100K 5% 1/16W 1-216-817-11 s METAL CHIP 470 5% 1/16W
R8	1-216-665-11 s METAL CHIP 3, 9K 0, 50% 1/10M 1-216-680-11 s METAL CHIP 16K 0, 50% 1/10M	R102	1-510-014-11 9 MD1MP CHIL 410 DW T\10%
R10	1-216-822-11 s METAL CHIP 1. 2K 5% 1/16W	R133	1-216-845-11 s METAL CHIP 100K 5% 1/16W
RII	1-216-828-11 s METAL CHIP 3.9K 5% 1/16W	R134	1-216-817-11 s METAL CHIP 470 5% 1/16W
		R135	1-216-833-11 s METAL CHIP 10K 5% 1/16W
R12	1-216-825-11 s METAL CHIP 2.2K 5% 1/16W	R136	1-216-840-11 s METAL CHIP 39K 5% 1/16W
R13	1-216-835-11 s METAL CHIP 15K 5% 1/16M	R139	1-216-837-11 s METAL CHIP 22K 5% 1/16W
R14 R15	1-216-827-11 s METAL CHIP 3.3K 5% 1/16W		
R16	1-216-821-11 s MBYAL CHIP 1K 5% 1/16W 1-216-821-11 s MBYAL CHIP 1K 5% 1/16W	R140 R141	1-216-837-11 s METAL CHIP 22K 5% 1/16W
KIU	1-510-051-11 2 MEINE CHIL IN 3/9 1/10M	R142	1-216-814-11 s METAL CHIP 270 5% 1/16W 1-216-845-11 s METAL CHIP 100K 5% 1/16W
R17	1-216-826-11 s METAL CHIP 2.7K 5% 1/16W	R143	1-216-837-11 s METAL CHIP 22K 5% 1/16M
R18	1-216-824-11 s METAL CHIP 1. 8K 5% 1/16M	R144	1-216-845-11 s MBTAL CHIP 100K 5% 1/16W
R19	1-216-827-11 s METAL CHIP 3, 3K 5% 1/16W		1 510 040 11 5 MBING COLI 100K 500 1/104
R20	1-216-825-11 s METAL CHIP 2, 2K 5% 1/16M	R145	1-216-837-11 s METAL CHIP 22K 5% 1/16W
R21	1-216-833-11 s MBTAL CHIP 10K 5% 1/16W	R146	1-216-845-11 s METAL CHIP 100K 5% 1/16W
		R147	1-216-837-11 s METAL CHIP 22K 5% 1/16H
R22	1-216-833-11 s METAL CHIP 10K 5% 1/16W	R148	1-216-845-11 s MCTAL CHIP 100K 5% 1/16W
R23 R24	1-216-838-11 s WETAL CHIP 27K 5% 1/16W 1-216-829-11 s WETAL CHIP 4, 7K 5% 1/16M	R149	1-216-837-11 s METAL CHIP 22K 5% 1/16W
R25	1-216-829-11 S WETAL CHIP 4, TK 5% 1/16W	R150	1-216-833-11 s METAL CHIP 10K 5% 1/16N
R26	1-216-823-11 s METAL CHIP 1, 5K 5% 1/16W	R151	1-216-635-11 S METAL CHIP 10K 5% 1/16W
74,0	T BYO AND Y'S A WRITING CHILL I' OF OM TO TON	R152	1-216-826-11 s MBTAL CHIP 2 7K 5K 1/16W
R27	1-216-839-11 s METAL CHIP 33K 5% 1/16W	R153	1-216-826-11 s METAL CHIP 2, 7K 5% 1/16W
R28	1-216-837-11 s METAL CHIP 22K 5% 1/16W	R154	1-216-797-11 s METAL CHIP 10 5% 1/16W
R29	1-216-840-11 s METAL CHIP 39K 5% 1/16W		
R32	1-216-817-11 s METAL CHIP 470 5% 1/16W	R155	1-216-789-11 s METAL CHIP 2. 2 5% 1/16W
R33	1-216-818-11 s METAL CHIP 560 5% 1/16W .	R156 R157	1-216-789-11 s METAL CHIP 2, 2 5% 1/16W
		R157 R158	1-216-833-11 s METAL CHIP 10K 5% 1/16W
		R159	1-216-833-11 s METAL CHIP 10K 5% 1/16W 1-216-789-11 s METAL CHIP 2, 2 5% 1/16W
Please s	ee pages 13-52 and 13-53 for the part numbers	N133	1 210-103-11 9 WEINE CEIF 2, 2 3% [/ [0W

(AFM-6P BDARD)

(AFM-6P BOARD)

Ref. No.				
RIGI	Ref. No. or Q'ty	Part No. SP Bes	cription	
### ### ### ### ### ### ### ### ### ##	R161 R162 R163	1-216-864-11 s MET 1-216-864-11 s MET 1-216-815-11 s MET	AL CHIP O-DHW AL CHIP O-DHW AL CHIP 330 5% 1/16W	R576 R577 R578
9401 1-216-827-11 s WETAL CHIP 22K SS 1/16W R585 9402 1-216-827-11 s WETAL CHIP 22K SS 1/16W R587 9403 1-216-827-11 s WETAL CHIP 22K SS 1/16W R588 9404 1-216-827-11 s WETAL CHIP 22K SS 1/16W R589 9405 1-216-841-11 s WETAL CHIP 2.K SS 1/16W R589 9406 1-216-841-11 s WETAL CHIP 2.K SS 1/16W R589 9406 1-216-841-11 s WETAL CHIP 1/K SS 1/16W R589 9406 1-216-823-11 s WETAL CHIP 1/K SS 1/16W R599 9407 1-216-823-11 s WETAL CHIP 1/K SS 1/16W R599 9508 1-216-823-11 s WETAL CHIP 1/K SS 1/16W R603 9509 1-216-823-11 s WETAL CHIP 1/K SS 1/16W R603 9500 1-216-823-11 s WETAL CHIP 1/K SS 1/16W R603 9500 1-216-823-11 s WETAL CHIP 1/K SS 1/16W R603 9500 1-216-823-11 s WETAL CHIP 1/K SS 1/16W R603 9500 1-216-835-11 s WETAL CHIP 1/K SS 1/16W R603 9500 1-216-835-11 s WETAL CHIP 1/K SS 1/16W R603 9500 1-216-835-11 s WETAL CHIP 1/K SS 1/16W R603 9501 1-218-50-11 s WETAL CHIP 1/K SS 1/16W R603 9502 1-218-845-11 s WETAL CHIP 1/K SS 1/16W R603 9503 1-218-830-11 s WETAL CHIP 1/K SS 1/16W R603 9504 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R603 9505 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R603 9511 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R603 9512 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R70 9514 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R70 9514 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R71 9514 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9514 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9514 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9514 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9515 1-218-30-11 s WETAL CHIP 2/K SS 1/16W R73 9516 1-218-299-11 s WETAL CHIP 2/K SS 1/16W R73 9517 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9517 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9518 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9519 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9510 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9510 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9510 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9510 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9510 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9510 1-218-30-11 s WETAL CHIP 1/K SS 1/16W R73 9510 1-218-30-11 s WETAL CHIP	R201 R202 R203	1-216-817-11 s MET 1-216-845-11 s MET 1-216-829-11 s MET	AL CHIP 470 5% 1/16W AL CHIP 100K 5% 1/16W AL CHIP 4.7K 5% 1/16W	R581 R582 R583
\$1.00	R401 R402 R403	1-216-837-11 s MET 1-216-837-11 s MET 1-216-837-11 s MET	AL CHIP 22K 5K 1/16W AL CHIP 22K 5K 1/16W AL CHIP 22K 5K 1/16W	R586 R587 R588
## 1-216-845-11 \$ METAL CHIP 100K 55 1/16W 8065 #509   1-216-845-11 \$ METAL CHIP 100K 55 1/16W 8666 #509   1-218-302-11 \$ METAL CHIP 100K 55 1/16W 8666 #509   1-218-302-11 \$ METAL CHIP 30K 18 1/16W 8667 #510   1-218-302-11 \$ METAL CHIP 3.0K 18 1/16W 8668 #511   1-216-825-11 \$ METAL CHIP 2.2K 55 1/16W 871 #512   1-216-825-11 \$ METAL CHIP 2.2K 55 1/16W 872 #513   1-216-825-11 \$ METAL CHIP 2.2K 55 1/16W 873 #514   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 875 #514   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 875 #514   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 875 #514   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 875 #514   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 875 #514   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 877 #515   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 871 #516   1-2218-300-11 \$ METAL CHIP 3.0K 18 1/16W 871 #517   1-218-300-11 \$ METAL CHIP 3.0K 18 1/16W 871 #518   1-218-820-11 \$ METAL CHIP 3.0K 18 1/16W 871 #519   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 871 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 871 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 871 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 871 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 871 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 871 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 871 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3.0K 3.18 1/16W 875 #510   1-218-830-11 \$ METAL CHIP 3	R406 R503 R504	1-216-817-11 s MET 1-216-829-11 s MET 1-216-829-11 s MET	AL CHIP 470 5% 1/16M AL CHIP 4.7K 5% 1/16M AL CHIP 4.7K 5% 1/16M	R591 R601 R602
## 1-216-845-11 & METAL CHIP 100K 5% L/16W RY3 ## 1-218-300-11 & METAL CHIP 100K 5% L/16W RY5 ## 1-218-300-11 & METAL CHIP 2.7K 18 L/16W RY5 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY5 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY5 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY7 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY7 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY7 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY1 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY1 ## 1-218-300-11 & METAL CHIP 3.3K 18 L/16W RY10 ## 1-218-300-11 & METAL CHIP 3.4K 18 L/16W RY10 ## 1-218-300-11 & METAL CHIP 10K 18 L/16W RY103 ## 1-218-300-11 & METAL CHIP 10K 5% L/16W RY103 ## 107 ## 10	R507 R508 R509	1-216-845-11 s MET 1-216-845-11 s MET 1-218-302-11 s MET	AL CHIP 100K 5% 1/16W AL CHIP 100K 5% 1/16W AL CHIP 8,2K 1% 1/16W	R605 R606 R607
## 1-216 - 820-11 s METAL CHIP 5.0K 55 L/16N ## 87   ## 1-216 - 820-11 s METAL CHIP 5.0K 55 L/16N ## 1016 ## 1-218-300-11 s METAL CHIP 3.0K 15 L/16N ## 1016 ## 1-218-300-11 s METAL CHIP 3.0K 15 L/16N ## 1016 ## 101	R512 R517 R518	1-216-845-11 s MET 1-216-845-11 s MET	AL CHIP 100K 5% 1/16W AL CHIP 100K 5% 1/16W	RV2 RV3 RV4
## 1-218-298-11 s ## 1 SETAL CHIP 2.2 K 15 1/15W ## 103 ## 1-218-299-11 s ## 1 CHIP 2.7 K 15 1/15W ## 1107 ## 1-218-833-11 s ## 1 SETAL CHIP 10K 35 1/16W ## 1107 ## 1-218-833-11 s ## 1 SETAL CHIP 10K 35 1/16W ## 1107 ## 1-218-833-11 s ## 1 SETAL CHIP 10K 35 1/16W ## 1750 ## 1-218-299-11 s ## 1 SETAL CHIP 2.2 K 35 1/16W ## 1750 ## 1-218-299-11 s ## 1 SETAL CHIP 2.7 K 15 1/16W ## 1750 ## 1-218-300-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-300-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-300-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-300-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-300-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-300-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-301-11 s ## 1 SETAL CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 3.8 K 15 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1-218-301-11 s ## 1 CHIP 10K 55 1/16W ## 1750 ## 1 CHIP 10K 55	R543 R544 R546	1-216-830-11 s MET 1-218-301-11 s MET	AL CHIP 5, 6K 5% 1/16N AL CHIP 3, 9K 1% 1/16N	RV7 RV8 RV10
1-218-299-11 s METAL CHIP 2 TK 15 L/16N   RY503	R549 R550 R551	1-218-298-11 s MET 1-218-299-11 s MET 1-216-833-11 s MET	AL CBIP 2.2K 1% 1/16W AL CBIP 2.7K 1% 1/16W AL CBIP 10K 5% 1/16W	RV103 RV104 RV107
## 1-218-301-11 S METAL CHP 2 38 K \$1 1/168    1-218-298-11 S METAL CHP 2 28 K \$1 1/168    1-218-298-11 S METAL CHP 2 28 K \$1 1/168    1-218-297-11 S METAL CHP 2 60 L \$1 1/168    1-218-297-11 S METAL CHP 2 60 L \$1 1/168    1-218-291-11 S METAL CHP 2 7 K \$1 1/168    1-218-23-11 S METAL CHP 2 1 K \$1 1/168    1-218-23-11 S METAL CHP 2 2 K \$3 1/168    1-218-23-11 S METAL CHP 2 K \$3 1/168    1-218-23-11 S METAL CHP 3 K \$3 1/168	R554 R555 R556	1-218-299-11 s MET 1-218-300-11 s MET 1-218-300-11 s MET	AL CHIP 2, 7K 1% 1/16W AL CHIP 3, 3K 1% 1/16W AL CHIP 3, 3K 1% 1/16W	RY503 RY504 RY505
R565 1-216-833-11 s METAL CHIP 10K 5% 1/16W R572 1-216-830-11 s METAL CHIP 5.6K 5% 1/16W R573 1-216-830-11 s METAL CHIP 5.6K 5% 1/16W	R560 R561 R562	1-218-298-11 s MET 1-218-297-11 s MET 1-218-299-11 s MET	AL CHIP 2.2K 1% 1/16W AL CHIP 680 1% 1/16W AL CHIP 2.7K 1% 1/16W	
	R565 R572 R573	1-216-833-11 s ME1 1-216-830-11 s ME1 1-216-830-11 s ME1	AL CRIP 10K 5% 1/16W AL CRIP 5.6K 5% 1/16W AL CRIP 5.6K 5% 1/16W	

or 0 ty	Part No. SP Description
R575	1-216-845-11 s METAL CHIP 100K 5% 1/16W
R576	1-216-832-11 s METAL CHIP 8.2K 5% 1/16W
R577	1-216-832-11 s METAL CHIP 8.2K 5% 1/16W
R578	1-218-318-11 s METAL CHIP 8.6K 1% 1/16W
R579	1-218-318-11 s METAL CHIP 5.6K 1% 1/16W
R580	I-218-298-11 s METAL CHIP 2.2K 1% 1/16W
R581	I-218-322-11 s METAL CHIP 47K 1% 1/16W
R582	I-218-322-11 s METAL CHIP 47K 1% 1/16W
R583	I-218-315-11 s METAL CHIP 1K 1% 1/16W
R584	I-218-303-11 s METAL CHIP 10K 1% 1/16W
R585	1-218-318-11 s METAL CHIP 5.6K 1% 1/16W
R586	1-218-304-11 s METAL CHIP 12K 1% 1/16W
R587	1-218-298-11 s METAL CHIP 2.2K 1% 1/16W
R588	1-216-841-11 s METAL CHIP 47K 5% 1/16W
R589	1-216-829-11 s METAL CHIP 4.7K 5% 1/16W
R590	1-218-315-11 s METAL CHIP IX 1% L/16N
R591	1-218-303-11 s METAL CHIP 10X 1% 1/16N
R601	1-216-664-11 s METAL CHIP 3, 6K 0, 50% 1/10W
R602	1-216-664-11 s METAL CHIP 3, 6K 0, 50% 1/10W
R603	1-216-664-11 s METAL CHIP 3, 6K 0, 50% 1/10W
R604	1-216-664-11 s METAL CHIP 3, 6K 0,50% 1/10W
R605	1-216-657-11 s METAL CHIP 1,8K 0,50% 1/10W
R606	1-216-657-11 s METAL CHIP 1,8K 0,50% 1/10W
R607	1-216-657-11 s METAL CHIP 1,8K 0,50% 1/10W
R608	1-216-657-11 s METAL CHIP 1,8K 0,50% 1/10W
RV1	1-230-868-11 s RES. ADJ. METAL 2.2K
RV2	1-230-869-11 s RES. ADJ. METAL 4.7K
RV3	1-230-868-11 s RES. ADJ. METAL 2.2K
RV4	1-230-874-11 s RES. ADJ. METAL 100K
RV5	1-230-874-11 s RES. ADJ. METAL 4.7K
RV6	1-287-034-11 s RES. ADJ. METAL 2K
RV7	1-237-036-11 s RES. ADJ. METAL 10K
RV8	1-230-871-11 s RES. ADJ. METAL 22K
RV10	1-237-032-11 s RES. ADJ. METAL 500
RV101	1-230-869-11 s RES. ADJ. METAL 4.7K
RV102	1-230-869-11 s RES. ABJ. METAL 4.7K
RV103	1-230-869-11 s RES. ADJ. METAL 4.7K
RV104	1-230-869-11 s RES. ADJ. METAL 4.7K
RV107	1-230-869-11 s RES. ADJ. METAL 4.7O
RV501	1-230-869-11 s RES. ADJ. METAL 4.7K
RV502	1-230-869-11 s RGS. ADJ. METAL 4.7K
RV503	1-237-034-11 s RGS. ADJ. METAL 2K
RV504	1-237-034-11 s RGS. ADJ. METAL 2K
RV505	1-230-869-11 s RGS. ADJ. METAL 2K
TH501	1-808-565-21 s THERMISTOR
TH502	1-808-565-21 s THERMISTOR

AT-49A BOARD			AII-97P B	
Re	ef, No,	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Bescription
11 81 11	pc pcs pc pc	A-7513-944-A O MOUNTED CIRCUIT BOARD, AT-49A 3-621-124-00 o SPACER 3-724-713-01 o PLATE (AT-49), ORNAMENTAL	1pc 1pc 1pc 1pc 1pc	A-67(3-35)-A o MOUNTED CIRCUIT BDARD, AU-97P 3-724-703-01 o PLATE (AU-97), ORNAMENTAL 3-723-031-01 o CASE (AU-1), SHIELD 3-729-032-03 o CASE (AU-2), SHIELD
	pc		5pcs Ipc	3-729-061-01 s SCREW (M2X4.5) (TYPE 1) 7-688-001-12 s M 2, MIDDLE
CS CS	24 40	1-162-637-11 s CERAMIC CHIP Q 47 16V 1-127-558-11 s ELECTSQLIO 20 10V 1-127-558-11 s ELECTSQLIO 20 10V 1-162-638-11 s CERAMIC CHIP 1 16V 1-162-638-11 s CERAMIC CHIP 1 16V	C1 C3 C5 C6 C7	1-126-384-11 s ELECT 10uF 20% 16Y 1-126-101-11 s BLECT 100uF 20% 10Y 1-126-394-11 s ELECT 10uF 20% 16Y 1-126-394-11 s ELECT 10uF 20% 16Y 1-126-394-11 s ELECT 10uF 20% 16Y
Ct D; D; D; D;	1 2 3	1-566-960-11 o CONNECTOR, 50P. MALE 8-713-104-34 s 01000 152836 8-713-104-34 s 01000 152836 8-713-000-76 s 01000 152826 8-713-104-34 s 01000 152836	C8 C9 C10 C14 C16	1-126-394-11 s ELECT 100F 20% 16V 1-126-394-11 s ELECT 100F 20% 16V 1-126-394-11 s ELECT 100F 20% 16V 1-124-478-11 s ELECT 100F 20% 25V 1-127-495-00 s ELECTSOLID 20 16V
10	01 02 03 04 05	1-807-412-12 s IC BH-1219A 1-807-413-11 s IC BH-1220 1-807-414-11 s IC BH-1221 8-759-200-79 s IC TC40496F 8-759-906-54 s IC TL664CKS	C18 C34 C102 C104 C105	1-126-394-11 s ELECT 10#0 20% 16V 1-109-631-00 s MICA 330PF 5% 500V 1-126-394-11 s ELECT 10#0 20% 16V 1-126-394-11 s ELECT 10#0 20% 16V 1-126-394-11 s ELECT 10#0 20% 16V
10	06 07 08 09 010	8-759-009-05 s (C MC140518P 8-759-101-12 s (C UPC31162 8-759-918-65 s (C TL7700CPS 8-759-204-79 s (C TC40R241F 8-759-100-94 s (C UPC35862	C106 C113 C114 C122 C123	1-125-394-11 s BLECT 10uF 20% 16V 1-163-011-11 s CERAMIC CHIP 0.0015uF 10% 50V 1-125-394-11 s ELECT 10uF 20% 16V 1-163-011-11 s CERAMIC CHIP 0.0015uF 10% 50V 1-163-011-11 s CERAMIC CHIP 0.0015uF 10% 50V
. 10 . 10	011 012 013 014 016	8-759-400-89 s IC MM1237AD 8-741-100-58 s IC BE-1179A 8-759-906-53 s IC TLO62CPS 8-759-301-94 s IC BEG3D5YD067P 8-759-906-53 s IC TLO62CPS	C124 C131 C134 C138 C202	1-126-394-11 s elect 100F 20% 16V 1-163-018-00 s ceranic chip 0, 00560F 5% 50V 1-126-394-11 s elect 100F 20% 16V 1-109-631-00 s Nica 230PF 5% 500V 1-125-394-11 s elect 100F 20% 16V
0; 0; 0;	2 3 4	8-752-330-59 s IC CXXI011P 8-729-216-22 s TRANSISTOR 25X1162 8-729-100-66 s TRANSISTOR 25X94 8-729-100-66 s TRANSISTOR 35X1623 8-729-100-66 s TRANSISTOR 35X1623	C204 C213 C214 C222 C223	1-126-394-11 s ELECT 10uF 20% 16V 1-163-011-11 s CERAMIC CHIP 0. D015uF 10% 50V 1-126-394-11 s ELECT 10uF 20% 16V 1-163-011-11 s CERAMIC CHIP 0. D015uF 10% 50V 1-163-011-11 s CERAMIC CHIP 0. D015uF 10% 50V
Q6 Q1 R5	7 - 52	8-729-216-22 s TRANSISTOR 254162 8-729-216-22 s TRANSISTOR 254162 1-216-639-11 s METAL CRIP 35K 0,50% 1/10M 1-216-657-11 s METAL CRIP 1,5K 0,50% 1/10M	C224 C231 C234 C238 C304	1-126-394-11 s 6LECT 10uF 20% 16¥ 1-163-018-00 s CRRAMIC CHIP 0.0056uF 5% 50V 1-126-394-11 s 6LECT 10uF 20% 16¥ 1-109-631-00 s MICA 330PF 5% 500¥ 1-126-394-11 s 6LECT 10uF 20% 16¥
R' R'	73	1-216-681-11 s METAL CHIP 18K 0.50% 1/10M 1-216-690-00 s METAL CHIP 51K 5% 1/10W	C306 C308	1-125-394-11 s BLECT 100F 20% 16V 1-135-149-21 s TANTALUM CHIP 2.20F 10% 10V
RI RI	B2	1-235-813-11 s NETWORK 1-235-813-11 s NETWORK 1-231-387-00 s NETTY. RES	C309 C404 C406	1-126-394-11 s ELECT 10uF 20% 16V 1-126-394-11 s ELECT 10uF 20% 16V 1-126-394-11 s ELECT 10uF 20% 16V
R1	V2	1-237-034-11 s RBS, ADJ, NETAL 2K 1-228-474-00 s RBS, ADJ, MBTAL 10K	C408 C409	1-135-149-21 s TANTALUM CHIP 2. 20F 10% 10V 1-126-394-11 s ELECT 10uF 20% 16V
R!	-	1-237-035-11 s RES, ADJ, METAL 5K 1-570-598-11 s SMITCH. DIP	CN1 CT1	1-566-960-11 o CONNECTOR, 50P, MALE 1-459-865-11 s COLL, VAR
S	2	1-570-857-11 s SWITCH, SLIDE	0.1	A THE OUR AL - COLOR FOR

1-567-192-11 s CBRAMIC 4.00MMz Please see pages 13-52 and 13-53 for the part numbers of capacitors and resistors that are not listed in the parts list.

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# (AU-97P BOARD)

Ref. No. or O'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
CV131 1-141-393-11 s TRIMMER 100PF CV231 1-141-393-11 s TRIMMER 100PF	Q403 8-729-220-93 s TRANSISTOR 2SK2096 Q404 8-729-905-18 s TRANSISTOR DTC144EU Q405 8-729-905-18 s TRANSISTOR DTC144EU
D1 8-719-941-86 s D10DE DAM202U D101 8-719-941-23 s D10DE DA204U D201 8-719-941-23 s D10DE DA204U	R1 1-216-849-11 s MBTAL CHIP 220X 5X 1/16W R2 1-216-845-11 s MBTAL CHIP 100X 5X 1/16W R3 1-216-849-11 s MBTAL CHIP 220X 5X 1/16W
IC1 8-757-991-00 s IC CX7991	R4 1-216-849-11 s MBTAL CHIP 220K 5% 1/16W R5 1-216-845-11 s MBTAL CHIP 100K 5% 1/16W
102	R6 1-216-841-11 s METAL CHIP 47K 5% 1/16W R7 1-216-841-11 s METAL CHIP 47K 5% 1/16W R8 1-216-845-11 s METAL CHIP 10K 5% 1/16W R12 1-216-825-11 s METAL CHIP 2.2K 5% 1/16W R13 1-216-841-11 s METAL CHIP 47K 5% 1/16W
10211	R16 1-216-825-11 s METAL CRIP 2, 2K 5% 1/16W R17 1-216-825-11 s METAL CRIP 2, 2K 5% 1/16W R18 1-216-825-11 s METAL CRIP 4TK 5% 1/16W R22 1-216-825-11 s METAL CRIP 2, 2K 5% 1/16W
LI 1-408-429-00 s INDUCTOR 470-H 13 1-412-279-41 s INDUCTOR 270-H 14 1-412-279-41 s INDUCTOR 270-H 15 1-412-279-41 s INDUCTOR 270-H 16 1-408-421-00 s INDUCTOR 100-H	R23 1-216-841-11 s METAL CEIP 4T% 5% 1/16W R25 1-216-849-11 s METAL CEIP 2Z0 5% 1/16W R26 1-216-837-11 s METAL CEIP 2ZN 5% 1/16W R30 1-216-837-11 s METAL CEIP 2ZN 5% 1/16W R31 1-216-837-11 s METAL CEIP 2ZN 5% 1/16W
LV111 1-410-854-12 s COIL, VAR LV121 1-410-854-12 s COIL, VAR LV131 1-410-833-12 s COIL, VAR LV211 1-410-831-12 s COIL, VAR LV221 1-40-854-12 s COIL, VAR	R32 1-216-833-11 s METAL CHIP 10K 5% 1/16W R33 1-216-813-11 s METAL CHIP 220 5% 1/16W R34 1-216-865-11 s METAL CHIP 27K 0.50% 1/10W R35 1-216-664-11 s METAL CHIP 2 7K 0.50% 1/10W
LV231 1-410-853-12 s COIL. VAR	R36 1-216-671-11 s METAL CHIP 3, 6% 0, 50% 1/10W R37 1-216-836-11 s METAL CHIP 6, 8% 0,50% 1/16W
01 8-729-117-16 % TRANSISTUR 25A1611-M6 02 8-729-905-18 % TRANSISTUR BTL144EE 03 8-729-905-18 % TRANSISTUR BTL144EE 04 8-729-905-12 % TRANSISTUR BTL144EE 08 8-729-905-12 % TRANSISTUR BTL144EE	R38 1-216-671-11 s METAL CHIP 6, 8K 0, 50% L/10M R39 1-216-833-11 s METAL CHIP 10K 5K 1/16M R40 1-216-833-11 s METAL CHIP 10K 5K 1/16M R111 1-216-845-11 s METAL CHIP 10K 5K 1/16M R112 1-216-844-11 s METAL CHIP 10K 5K 1/16M
99 8-729-150-64 TEANSISTUR 201596 101 8-729-150-64 TEANSISTUR 201596 101 8-729-150-64 TEANSISTUR 201596 101 8-729-150-64 TEANSISTUR 201596 101 8-729-150-64 TEANSISTUR 201596	R113 1-216-823-11 s METAL CHIP 1.5% 5% 1/16W R114 1-216-823-11 s METAL CHIP 10% 5% 1/16W R115 1-216-821-11 s METAL CHIP 10% 5% 1/16W R116 1-216-833-11 s METAL CHIP 10% 5% 1/16W R117 1-216-837-11 s METAL CHIP 20% 5% 1/16W
044 8-729-209-07 s TANNISTOR SSC4238 105 8-729-799-07 s TANNISTOR SSC4238 016 8-729-901-68 s TANNISTOR DTAIL4FF 017 8-729-905-18 s TANNISTOR DTAIL4FF 018 8-729-101-07 s TRANSISTOR 25978-0L	R118 1-216-825-11 s METAL CHIP 2.2% 5% 1/16W R120 1-216-844-11 s METAL CHIP 82% 5% 1/16W R121 1-216-844-11 s METAL CHIP 82% 5% 1/16W R123 1-216-825-11 s METAL CHIP 7.2% 5% 1/16W R124 1-216-833-11 s METAL CHIP 1.0% 5% 1/16W
131	R125 1-216-821-11 s METAL CEIP IX 5% 1/16W R126 1-216-833-11 s METAL CEIP IX 5% 1/16W R127 1-216-827-11 s METAL CEIP 22% 5% 1/16W R128 1-216-825-11 s METAL CEIP 22% 5% 1/16W R128 1-216-842-11 s METAL CEIP 56% 5% 1/16W
9302 8-729-009-07 * TRANSISTOR SSA42338 0303 8-729-729-38 * TRANSISTOR SSA2006 0304 8-729-609-18 * TRANSISTOR DECEMBER 0401 8-729-809-07 * TRANSISTOR ZSC42338 0402 8-729-209-07 * TRANSISTOR ZSC4238	R131: 1-216-833-11 s MBTAL CHIP 10K 5K 1/16W R132: 1-216-833-11 s MBTAL CHIP 10K 5K 1/16W R133: 1-216-845-11 s MBTAL CHIP 10K 5K 1/16W R134: 1-216-847-11 s MBTAL CHIP 150K 5K 1/16W R135: 1-216-839-11 s MBTAL CHIP 150K 5K 1/16W

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(AU-97P BOARD)
                                                                                                 (All-97P BBARD)
                                                                                                 Ref No.
Ref. No.
                                                                                                 or Q'ty Part No
                                                                                                                            SP Description
or Q'ty Part No.
                          SP Description
            1-218-304-11 s METAL CHIP 12% 1% 1/16W 1-216-846-11 s METAL CHIP 120% 5% 1/16W
                                                                                                              1-216-813-11 s METAL CHIP 220 5% 1/16W
                                                                                                 R319
R136
                                                                                                              1-216-821-11 s METAL CHIP 1K 5% 1/16W
R137
                                                                                                 R320
                                                                                                              1-216-821-11 s METAL CHIP 1K 5% 1/16W
R138
            1-216-813-11 s METAL CHIP 220 5N 1/16W
                                                                                                 R321
             1-216-841-11 s METAL CHIP 47K 5% 1/16W
                                                                                                 R401
                                                                                                              1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
R139
                                                                                                              1-216-821-11 s METAL CHIP 1K 5% 1/16W
             1-216-833-11 s METAL CHIP 10K 5% 1/16W
                                                                                                 R402
R140
                                                                                                 R403
                                                                                                              1-216-822-11 s METAL CHIP 1.2K 5W 1/16W
            1-216-835-11 s METAL CHIP 15K 5% 1/16W 1-216-844-11 s METAL CHIP 82K 5% 1/16W
R141
                                                                                                              1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                                 R404
R142
                                                                                                              1-216-821-11 s METAL CHIP 1K 5% 1/16M
             1-218-306-11 s METAL CHIP 100K 1% 1/16W
                                                                                                 8405
R143
                                                                                                              1-216-825-11 s METAL CHIP 2.2K 5% 1/16W
1-216-839-11 s METAL CHIP 33K 5% 1/16W
             1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                                 R406
R211
             1-216-844-11 s METAL CHIP 82K 5% 1/16W
                                                                                                 R407
R212
                                                                                                 R408
                                                                                                              1-216-817-11 s METAL CHIP 470 5% 1/16W
R213
             1-216-823-11 s METAL CHIP 1.5K 5% 1/16W
                                                                                                              1-216-829-11 s METAL CHIP 4,70 0% 1/16W
1-216-829-11 s METAL CHIP 4,7K 5% 1/16W
1-216-855-11 s METAL CHIP 27K 0,50% 1/10W
1-216-655-11 s METAL CHIP 3,9K 0,50% 1/10W
1-216-679-11 s METAL CHIP 15K 0,50% 1/10W
            1-216-833-11 s METAL CHIP 10% 5% 1/16W
1-216-829-11 s METAL CHIP 4.7K 5% 1/16W
                                                                                                 R409
R214
                                                                                                 R410
R215
             1-216-833-11 s METAL CHIP 10K 5% 1/16W
                                                                                                 R411
R216
                                                                                                 R412
B217
             1-216-837-11 s METAL CHIP 22K 5% 1/16W
                                                                                                              1-216-837-11 s METAL CHIP 22K 5% 1/16W
1-216-857-11 s METAL CHIP 1M 5% 1/16W
1-216-857-11 s METAL CHIP 1M 5% 1/16W
1-216-658-11 s METAL CHIP 2M 5.05W 1/10W
1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
                                                                                                 8413
R218
             1-216-825-11 s METAL CHIP 2 2K 5% 1/16W
                                                                                                 R414
             1-216-844-11 s METAL CHIP 82K 5% L/16W
R220
                                                                                                 R415
R221
             1-216-844-11 s METAL CHIP 82K 5% 1/16W
             1-216-825-11 s METAL CHIP 2.2K 5% 1/16W
                                                                                                 P416
R223
             1-216-833-11 s METAL CHIP 10K 5% 1/16W
                                                                                                 R417
R224
             1-216-829-11 s METAL CHIP 4.7% 5% 1/16N
1-216-833-11 s METAL CHIP 10K 5% 1/16W
1-216-837-11 s METAL CHIP 22K 5% 1/16W
1-216-825-11 s METAL CHIP 2.2K 5% 1/16W
                                                                                                 R418
                                                                                                              1-216-833-11 s WETAL CHIP 10K 5% 1/16W 1-216-813-11 s WETAL CHIP 220 5% 1/16W
R225
                                                                                                 R419
R226
R227
                                                                                                 RVI
                                                                                                              1-237-031-11 s RES, ADJ, METAL 200
R228
             1-216-842-11 s METAL CHIP 56K 5% 1/16W
                                                                                                              1-237-032-11 s RES, ADJ, METAL 500
1-237-036-11 s RES, ADJ, METAL 10K
8229
                                                                                                 R¥2
                                                                                                 RV101
             1-216-833-11 s METAL CHIP 10K 5% 1/16W
1-216-833-11 s METAL CHIP 10K 5% 1/16W
                                                                                                 RV111
                                                                                                              1-230-869-11 s RES, ADJ, METAL 4.7K
 R231
                                                                                                 RV112
                                                                                                              1-237-037-11 s RES, ADJ, METAL 20K
 R232
 R233
             1-216-845-11 s METAL CHIP 100% 5% 1/16W
1-216-847-11 s WETAL CHIP 150% 5% 1/16W
                                                                                                 RV113
                                                                                                              1-237-036-11 s RES, ADJ, METAL 10K
 R234
                                                                                                              1-230-869-11 s RES, ADJ, METAL 4.7K
1-237-037-11 s RES, ADJ, METAL 20K
                                                                                                 RV121
             1-216-839-11 s METAL CHIP 33K 5% 1/16W
 R235
                                                                                                 RV122
                                                                                                              1-237-036-11 s RES, ADJ, METAL 10K
1-237-036-11 s RES, ADJ, METAL 10K
 R236
             1-218-304-11 s METAL CHIP 12K 1% 1/16W
                                                                                                 RV123
             1-216-846-11 s METAL CHIP 120K 5% 1/16W
1-216-813-11 s METAL CHIP 220 5% 1/16W
1-216-841-11 s METAL CHIP 47K 5% 1/16W
                                                                                                 RY201
 R237
 9238
                                                                                                 RV211
                                                                                                               1-230-869-11 s RES, ADJ, METAL 4.7K
 R239
                                                                                                              1-237-037-11 s RES. ADJ, METAL 20K
1-230-869-11 s RES. ADJ. METAL 4.7K
 R240
             1-216-833-11 s METAL CHIP 10K 5% 1/16W
                                                                                                 RV212
                                                                                                 RV221
                                                                                                 R¥222
                                                                                                              1-237-037-11 s RBS, ADJ, METAL 20K
             1-216-835-11 s METAL CHIP 15K 5% 1/16W
1-216-844-11 s METAL CHIP 82K 5% 1/16W
R241
                                                                                                 RV301
                                                                                                              1-237-032-11 s RES, ADJ, METAL 500
 R242
 R243
             1-218-306-11 s METAL CHIP 100K 1% 1/16W
1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
                                                                                                 RV302
                                                                                                               1-237-035-11 s RES, ADJ, METAL 5K
 R301
              1-216-821-11 s METAL CHIP 1K 5% 1/16N
                                                                                                 RV303
                                                                                                               1-237-036-11 s RES, ADJ, METAL 10K
                                                                                                              1-237-032-11 s RES, ADJ, METAL 500
1-237-035-11 s RES, ADJ, METAL 5X
1-237-036-11 s RES, ADJ, METAL 10K
                                                                                                 RV401
 R303
             1-216-822-11 s METAL CHIP 1.2K 5% 1/16W
1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                                 RV402
 R304
                                                                                                 RV403
             1-216-825-11 s METAL CHIP 1K 5% 1/16W
1-216-825-11 s METAL CHIP 1K 5% 1/16W
1-216-839-11 s METAL CHIP 2.2K 5% 1/16W
 R305
 R306
 R307
             1-216-817-11 s METAL CHIP 470 5% 1/16W 1-216-829-11 s METAL CHIP 4.7% 5% 1/16W
                                                                                                 CN-400 BOARD
 R308
 R309
             1-216-685-11 s METAL CHP 27K 0.50% 1/10M
1-216-665-11 s METAL CHP 3.9K 0.50% 1/10M
1-216-679-11 s METAL CHP 3.9K 0.50% 1/10M
 R310
 R311
                                                                                                 or Q ty Part No.
 R312
                                                                                                                               SP Description
 R314
              1-216-857-11 s METAL CHIP IM 5% 1/16W
                                                                                                 1ac
                                                                                                              1-634-967-11 o PRINTED CIRCUIT BOARD, CN-400.
              1-216-857-11 s METAL CHIP 1M 5% 1/16W
 R315
             1-216-658-11 s METAL CHIP 2K 0,50% 1/10M
1-216-675-11 s METAL CHIP 2K 0,50% 1/10M
1-216-833-11 s METAL CHIP 10K 0,50% 1/10M
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R316

R317

R318

CN1

CN3 CN4 1-565-146-11 o PIN, COMMECTOR (STRAIGHT) 13P

1-565-144-11 o CONNECTOR, 11P. MALE 1-565-142-11 o PIN, CONNECTOR (STRAIGHT) 9P

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DR-124 BOARD
                                                                              (DR-124 BOARD)
Ref No
                                                                              Ref. No.
or Q'ty Part No.
                         SP Description
                                                                              or Q'ty Part No.
                                                                                                       SP Rescription
           A-7515-144-A o MOUNTED CIRCUIT BOARD, DR-124
                                                                                        8-729-216-22 s TRANSISTOR 2SA1162
100
                                                                              92
                                                                                         8-729-100-66 s TRANSISTOR 2SC1623
                                                                                         8-729-100-66 s TRANSISTOR 2SC1623
           1-131-353-00 s TANTALUM 10uF 10% 25V
                                                                              Q3
           1-131-253-00 s TANTALUM 10uF 10% 25V
1-131-353-00 s TANTALUM 10uF 10% 25V
C2
                                                                              04
                                                                                        8-729-216-22 s TRANSISTOR 2SA1162
                                                                              05
                                                                                        8-729-100-66 s TRANSISTOR 2SC1623
C8
          1-124-556-11 s ELECT 2200uF 20% 16V
1-126-176-11 s ELECT 220uF 20% 10V
CO
                                                                              96
                                                                                        8-729-216-22 s TRANSISTOR 2SA1162
8-729-143-44 s TRANSISTOR 2SA1463[K
                                                                              Q7
€10
          1-124-556-11 s ELECT 2200uF 20% 16V
1-126-103-11 s ELECT 470uF 20% 16V
                                                                              Q8
                                                                                        8-729-119-59 s TRANSISTOR 25K612-Z
C12
                                                                              09
                                                                                        8-729-143-44 s TRANSISTOR 2SA14631K
          1-131-347-00 s TANTALUM 1uF 10% 35V
1-131-347-00 s TANTALUM 1uF 10% 35V
                                                                              Q10
                                                                                        8-729-119-59 s TRANSISTOR 25K612-Z
C14
           1-131-347-00 s TANTALUM 1uF 10% 35V
                                                                              012
                                                                                        8-729-100-66 s TRANSISTOR 2SC1623
                                                                              014
                                                                                        8-729-112-65 s TRANSISTOR 2SA1462
8-729-112-65 s TRANSISTOR 2SA1462
          1-131-347-00 s TANTALUM 1uF 10% 35V
C16
                                                                              015
           1-131-347-00 s TANTALUM 1uP 10% 35V
                                                                                         8-729-122-63 s TRANSISTOR 2SA1226
                                                                              919
          1-131-347-00 s TANTALUM 10F 10% 35V
1-131-347-00 s TANTALUM 10F 10% 35V
                                                                                        8-729-421-71 s TRANSISTOR 25K620
C18
                                                                              Q20
£19
          1-131-377-00 s TANTALUM 10uF 10% 10V
€20
                                                                              q21
                                                                                         8-729-100-66 s TRANSISTOR 2SC1623
                                                                              022
                                                                                        8-729-100-66 s TRANSISTOR 2SC1623
           1-124-478-11 s ELECT 100uF 20% 25V
                                                                              023
                                                                                        8-729-100-66 s TRANSISTOR 2SC1623
           1-131-353-00 s TANTALEM 10uF 20% 35V
                                                                                         8-729-100-66 s TRANSISTOR 2SC1623
                                                                              024
          1-131-367-00's TANTALUM 22uF 10% 16V
C26
                                                                                        8-729-100-66 s TRANSISTOR 25C1623
                                                                              025
          1-126-233-11 s BLECT 22uF 20% 35V
1-126-233-11 s BLECT 22uF 20% 35V
C28
C29
                                                                              926
                                                                                        8-729-100-66's TRANSISTOR 2SC1623
                                                                              027
                                                                                        8-729-100-66 s TRANSISTOR 2SC1623
C30
          1-124-122-11 s BLECT 100uP 20% 50V
C31
          I-135-136-21 s TANTALUM CHIP 6.8uF 10% 35V
                                                                                         1-216-682-11 s METAL CHIP 20K 0.50% 1/10W
          1-124-242-00 s ELECT 33uF 20% 25V
C35
                                                                              958
                                                                                         1-216-668-11 s METAL CHIP 5 1K 0 50% 1/10W
          1-131-347-00 s TANTALUM 1uF 10% 35V
C36
          1-135-136-21 s TANTALUM CHIP 6.8uF 10% 35V
C43
                                                                              RVI
                                                                                        1-237-037-11 s RES, ADJ, METAL 20K
                                                                                        1-237-037-11 s RES, ABJ, METAL 20K
                                                                              RV2
CN1
          1-569-606-11 o CONNECTOR, 40P, MALE
                                                                              RV3
                                                                                         1-237-037-11 s RES, ADJ, METAL 20K
CN2
          1-566-573-11 o CONNECTOR, 25P, FEMALE
1-506-474-11 o CONNECTOR, 9P, MALE
CN3
D1
          8-719-104-34 s DIGDE IS2836
          8-719-104-34 s DICDE 182836
13
114
          8-719-104-34 s DIQBE 1S2836
05
          8-719-104-34 s DIGDE 182836
                                                                              DUS-246 BOARD
06
          8-719-104-34 s DIGDE 1S2836
                                                                              Ref. No.
n7
          8-719-800-76 s DIODE 1SS226
                                                                              or G ty Part No.
                                                                                                       SP Description
          8-719-104-34 s DIODE 152836
8-719-105-99 s DIODE RD6, 2N-B1
na
010
                                                                                      1-625-969-11 o PRINTED CIRCUIT BOARD, DUS-246
D11
          8-719-104-34 s DIODE 182836
          8-719-104-34 s DIODE 152836
D12
013
          8-719-104-34 s BIODE 182836
014
          8-719-981-01 s DIODE BRA81-004
          8-719-981-01 s DIODE BRA81-004
8-719-800-76 s DIODE ISS226
D15
D16
102
          8-759-926-48 s LC SN74HC244NS
          8-752-031-03 s IC CXA1065M
IC4
          8-752-031-03 s IC CXA1065M
          8-752-031-03 s IC CXA1065M
8-752-031-03 s IC CXA1065M
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8-759-234-20 s IC TC7508F 8-759-979-69 s IC TSC42600A

IC8

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EN-79P BOARD
                                                                                   (EN-79P BOARD)
Ref No
                                                                                  Ref. No.
or D'ty Part No.
                         SF Description
                                                                                  or O'ty Part No.
                                                                                                           SP Description
           A-7513-961-A o MOUNTED CIRCUIT BOARD, EN-79P
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
Inc
                                                                                  010
Hocs
           3-621-124-00 o SPACER
                                                                                  011
                                                                                             8-729-100-66 s TRANSISTOR 25C1623
lpc-
           3-724-709-01 o PLATE (EN-62), ERNAMENTAL
                                                                                  012
                                                                                             8-729-100-66 s TRANSISTOR 2501623
           3-724-753-01 o RING
                                                                                             8-729-122-63 s TRANSISTUR 2SA1226
1pc
           3-729-061-01 s SCREW (M2X4.5) (TYPE 1)
                                                                                  014
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
5pcs
1pc
           7-688-001-12 s W 2. NIDDLE
                                                                                  015
                                                                                             8-729-216-22 s TRANSISTOR 2SA1162
                                                                                  918
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
           1-163-086-00 s CERAMIC CHEF 3PF 0, 25PF 50V
1-163-086-00 s CERAMIC CHIP 3PF 0, 25PF 50V
1-163-086-00 s CERAMIC CHIP 3PF 0, 25PF 50V
\Gamma A
                                                                                             8-729-100-66 s TRANSISTER 2SC1623
                                                                                  019
                                                                                  020
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
16
                                                                                  921
                                                                                             8-729-122-63 s TRANSISTOR 2SA1226
           1-135-157-21 s TANTALUM CHIP 10mF 10K 6.3V
1-135-157-21 s TANTALUM CHIP 10mF 10K 6.3V
126
                                                                                  022
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
                                                                                  023
                                                                                             8-729-100-66 s TRANSISTOR 2501623
C28
           1-163-127-00 s CERAMIC CHIP 270PF 5% 50V
                                                                                  024
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
C30
           1-135-180-21 s TANTAL 3, 3uF 10% 10V
                                                                                  025
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
C34
           1-163-084-00 s CERAMIC CHIP 1 SPE 0 25PF 509
                                                                                  026
                                                                                             8-729-162-43 s TRANSISTOR 258624-BV3
CAR
           1-163-127-00 s CERAMIC CHIP 270PF 5% 50V
C42
           1-135-180-21 s TANTAL 3 3uF 10% 10V
                                                                                  027
                                                                                             8-729-162-43 s TRANSISTOR 258624-RV3
                                                                                             8-729-162-43 s TRANSISTOR 258624-BV3
                                                                                  028
                                                                                  929
                                                                                             8-729-159-64 s TRANSISTOR 250596
C44
           1-126-392-11 s ELECT 100sF 20% 6, 3V
           1-163-241-11 s CERAMIC CHIP 39PP 5% 50V
C50
                                                                                  030
                                                                                             8-729-216-22 s TRANSISTOR 2SALIG2
C51
           1-163-241-11 s CERAMIC CRIP 39PF 5% 50V
                                                                                  031
                                                                                             8-729-100-66 s TRANSISTOR 2501623
           1-135-162-21 s TANTALUM CHIP 33uF 10% 6, 3VW
           1-163-115-00 s CERAMIC CHIP 82PE 5% 50V
                                                                                  Q32
                                                                                             8-729-100-66 s TRANSISTUR 2501623
                                                                                  033
                                                                                             8-729-100-66 s TRANSISTOR 25C1623
           1-135-180-21 s TANTAL 3.3uF 10% 10V
1-135-180-21 s TANTAL 3.3uF 10% 10V
                                                                                  034
                                                                                             8-729-216-22 s TRANSISTOR 2SA1162
C62
                                                                                  035
C63
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
           1-135-149-21 s TANTALUM CHIP 2, 2uF 10% 10V
                                                                                  936
                                                                                             8-729-100-66 s TRANSISTOR 2SC1623
C64
C68
           1-135-158-21 s TANTALUM 15uF 10% 4V
                                                                                  R17
                                                                                             1-216-687-11 s METAL CHIP 33K 0.50% 1/10W
1-216-687-11 s METAL CHIP 33K 0.50% 1/10W
CNI
           1-566-960-11 o CONNECTOR, 50P, MALE
                                                                                  R18
                                                                                             1-216-687-11 s METAL CHIP 33K 0,50% 1/10W
                                                                                  P19
CV1
           1-141-347-11 s TRIMMER 10PP
                                                                                  R20
                                                                                             1-216-699-11 s METAL CHIP 100K 0.50% 1/10W
1-216-699-11 s METAL CHIP 100K 0.50% 1/10W
                                                                                  R21
DI 1
           1-415-562-11 s DRLAY LINE, 338nS
                                                                                  R22
                                                                                             1-216-699-11 s METAL CHIP 100K 0.50% 1/10W
                                                                                             1-216-665-11 s METAL CHIP 100W 0,30% 1/10W
1-216-665-11 s METAL CHIP 3,9K 0,50% 1/10W
1-216-665-11 s METAL CHIP 3,9K 0,50% 1/10W
1-216-665-13 s METAL CHIP 3,9K 0,50% 1/10W
1-216-681-13 s METAL CHIP 18K 0,50% 1/10W
FL3
           1-235-181-00 s BAND PASS 4, 43MHz
                                                                                  826
                                                                                  297
101
           8-759-208-11 s IC TC4053BFHB
           8-759-911-77 s IC CX7968A
                                                                                  R34
           1-807-421-11 s IC BH-1216
                                                                                  235
                                                                                             1-216-662-11 s METAL CHIP 3K 0.50% [/10W
1-216-662-11 s METAL CHIP 3K 0.50% 1/10W
1-216-639-11 s METAL CHIP 2.2K 0.50% 1/10W
IC
           1-807-419-11 s IC BH-1214
           1-807-418-11 s IC BH-1213
                                                                                  R36
                                                                                  R37
                                                                                             1-216-623-11 s METAL CHIP 68 0.50% 1/10W
1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
           8-741-135-60 s 1C BX1356
                                                                                  222
108
           8-759-906-59 s 1C CX22017
                                                                                  243
           8-759-200-79 s IC TC40498F
100
1010
           1-807-423-11 s IC BH-1218
                                                                                  RAA
                                                                                             1-216-663-11 s METAL CHIP 3, 3K 0,50% 1/10W
                                                                                  845
                                                                                             1-216-647-11 s MRTAL CHIP 680 D 50% 1/10W
Li
          1-410-713-31 s CHIP 47uH
1-410-713-31 s CHIP 47uH
                                                                                  R46
                                                                                             1-216-661-11 s WETAL CHIP 2, 7K 0, 50% 1/10W
1.4
                                                                                  R51
                                                                                             1-216-651-11 s METAL CHIP 1K 0,50% 1/10W
                                                                                             1-216-627-11 s METAL CHIP 100 0.50% 1/10W
1.5
           1-410-715-31 s CHIP 68eB
                                                                                  R60
.1.6
           1-410-715-31 s CHIP 68uB
1-410-713-31 s CHIP 47uB
                                                                                  R64
                                                                                             1-216-627-11 s METAL CHIP 100 0 50% 1/10W
                                                                                             1-216-644-11 s METAL CHIP 510 0.50% 1/10%
                                                                                  R69
LV2
          1-408-844-00 s COIL, VAR 22uil
                                                                                             1-218-653-11 s METAL CHIP 1.2K 0.50% 1/10W
1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
1-216-683-11 s METAL CHIP 22K 0.50% 1/10W
                                                                                  R71
                                                                                  R75
          8-729-100-66 s TRANSISTOR 2SC1623
                                                                                  R76
          8-729-100-66 s TRANSISTOR 25C1623
02
           8-729-100-66 s TRANSISTOR 2SC1623
03
                                                                                             1-216-683-11 s METAL CHIP 22K 0.50% 1/10W 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
04
           8-729-216-22 s TRANSISTOR 2SA1162
                                                                                  R78
           8-729-100-66 s TRANSISTOR 2501623
                                                                                             1-216-638-11 s METAL CHIP 300 0.50% 1/10W
                                                                                  R79
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R83

1-216-653-11 s METAL CHIP 1, 2K 0,50% 1/10W 1-216-603-11 s METAL CHIP 10 0.50% 1/10W

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(EN-79P BOARD)
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(EN-79P BUARD)	EX-148 BUARU
Ref. No. or O'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
R85 1-216-650-11 s METAL CHIP 910 0.50% 1/10W R88 1-216-666-11 s METAL CHIP 4.3K 0.50% 1/10W R89 1-216-624-11 s METAL CHIP 75 0.50% 1/10W	1pc A-7520-314-A o MOUNTED CIRCUIT BOARD, EX-148 4pcs 3-729-061-01 s SCREW (M2X4.5) (TYPE 1)
R90 1-216-627-11 s METAL CHIP 100 0.50% 1/10W R91 1-216-627-11 s METAL CHIP 100 0.50% 1/10W	CN1 1-566-960-11 o CONNECTOR, 50P, MALE CN2 1-566-961-11 o CONNECTOR, 50P, FEMALE
899 1-218-644-11 s METAL CHP 510 0.508 1/10W 8102 1-216-651-11 s METAL CHP 2.7° 0.508 1/10W 8105 1-216-631-11 s METAL CHP 1 1 0.508 1/10W 8106 1-216-633-11 s METAL CHP 22% 0.50% 1/10W 8107 1-216-633-11 s METAL CHP 22% 0.50% 1/10W	FB-4 BOARD
R113 1-216-642-11 s METAL CHIP 430 0,50% 1/19W	
R114 1-216-642-11 s METAL CHIP 430 0.50% 1/10W R121 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W	Ref. No. or Q'ty Part No. SP Description
R122 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W R129 1-216-663-11 s METAL CHIP 3.3K 0.50% 1/10W	1pc A-6725-603-A o NDUNTED CIRCUIT BOARD, FE-4 1pc 3-722-419-01 o HOLDBR, FE-4 2pcs 3-729-013-21 s SCREW(M1, 4K2.5), WASHERHEAD(+P)
R135 1-216-667-11 s METAL CHIP 4, 7% 0, 50% 1/10W R141 1-216-624-11 s METAL CHIP 75 0, 50% 1/10W	ZPCS 3-129-013-21 8 SCREW(M1. 4A2. 3), WHOREKREND(FF)
R141 1-216-624-11 s METAL CHIP 75 0.50% 1/10W R143 1-216-624-11 s METAL CHIP 75 0.50% 1/10W	C1 1-136-562-11 s FILM 0, 0082uF 5% 200V
R144 1-216-624-11 s METAL CHIP 75 0.50% 1/10W	C5 1-126-101-11 s BLECT 100uF 20% 10V C8 1-163-018-00 s CERAMIC CHIP 0.0056uF 5% 50V
R145 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W	C11 1-164-146-11 s CERAMIC CHIP 0,0033uF 10% 50V
R148 1-216-668-11 s METAL CHIP 5, 1X 0.50% 1/10W	C12 1-164-146-11 s CERAMIC CHIP 0.0033uF 10% 50V
R149 1-216-659-11 s METAL CHIP 2.2% 0.50% 1/10W R152 1-216-639-11 s METAL CHIP 330 0.50% 1/10W	C15 1-163-001-11 s CERANIC 220PF 10% 50V
R157 1-216-691-11 s METAL CHIP 47K 0.50% 1/10M	C16 1-126-157-11 s ELBCT 10uF 20% 16V
RB1 1-239-024-11 s MATRIX RESISTOR RB2 1-239-025-11 s MATRIX RESISTOR	CN1 1-566-977-11 o PIN, CONNECTOR 12PIN
RB3 1-239-026-11 s MATRIX RESISTOR	CP1 1-424-101-11 s TRAMSFORMER, PE
RV1 1-237-034-I1 s RES, ADJ, METAL 2K RV2 1-237-034-I1 s RES, ADJ, METAL 2K	CSI 1-806-682-71 s SENSOR, DEW CONDENSATION
RV3 1-237-034-11 S RES, ADJ, METAL 2K RV6 1-237-036-11 S RES, ADJ, METAL 10K	ICI 8-759-805-32 s IC LA7205M
RV8 1-237-033-11 s RES, ADJ, METAL 1K	L1 1-464-909-11 s SENSOR, COIL L2 1-408-429-00 s INDUCTOR 470mH
RV9 1-228-473-00 s RES, ADJ, METAL 5K RV10 1-228-473-00 s RES, ADJ, METAL 5K	Q1 8-729-159-64 s TRANSISTOR 2SD596
RV11 1-237-033-11 s RES. ADJ. METAL 1K	02 8-729-159-64 s TRANSISTOR 2SD596
RV12 1-237-033-11 s RES, ADJ, METAL 1K	R3 1-216-685-11 s METAL CHIP 27% 0.50% 1/10W
RV13 1-237-036-11 s RBS, ADJ, MBTAL 10K	R4 1-216-685-11 s METAL CHIP 27K 0.50% 1/10W
RV15 1-237-034-11 s RES, ADJ. METAL 2K	
RV16 1-237-035-11 s RES, ADJ, MBTAL 5K RV17 1-228-473-00 s RES, ADJ, MBTAL 5K	
RV18 1-237-033-11 s RES. ADJ. METAL 1K	FL-45 BOARD
RV19 1-237-032-11 s RBS, ADJ. MBTAL 500	Ref No.
RV20 1-237-032-11 s RBS, ADJ, MBTAL 500 RV21 1-237-032-11 s RBS, ADJ, MBTAL 500	or Q'ty Part No. SP Description
01 1 E70 DE7 11 a CMITCH CLIDE	Ipc 1-625-891-11 s PRINTED CIRCUIT BOARD, FL-45
\$1 1-570-857-11 s \$MITCH, \$LIDE \$2 1-570-857-11 s \$MITCH, \$LIDE \$3 1-570-375-12 s \$MITCH, \$LIDE	

FL-46 BOARD

EX-148 80ARD

Ref. No. or Q'ty Part No. SP Description

1pc 1-625-892-11 s PRINTED CIRCUIT BOARD, FL-46

FL-SSP BOARD	IE-30P BOARD
Ref. No. or Q'ty Part No. SP Description	Ref. No. or O'ty Part No. SP Description
C1 1-163-135-00 s CERANIC CHIP 560PF 5% 50V	Ipc
D1 8-719-941-09 s DIODE DAP202U	1pc 7-688-001-12 s W 2, WIODLE
101   8-759-981-54 s   10 R02041MD	C7 : 1-124-282-00 s ELSCT 220F 208 169 C17 : 1-155-282-21 s TAYTALUM CHIP 330F 208 10V C18 : 1-135-125-21 s TAYTALUM CHIP 330F 208 10V C22 : 1-135-125-21 s TAYTALUM CHIP 330F 208 10V C33 : 1-135-125-21 s TAWTALUM CHIP 330F 208 10V
81 1-216-693-11 s METAL CHIP 10 0.50% 1/10W 811 1-216-603-11 s METAL CHIP 10 0.50% 1/10W 8V1 1-228-478-11 s RES. ABJ, METAL 200K 8V1 1-228-478-11 s RES. ABJ, METAL 200K	C35 1-135-125-21 s TANTALUM CHIP 334F 208 10V C37 1-163-098-00 s CEMANIC CHIP 18FF 58 50V C45 1-164-330-21 SEMANIC CHIP 22FF 108 16V C48 1-162-637-11 s CEMANIC CHIP 0, 47 16V C71 1-124-584-00 s EDECT 1000F 208 10V
RYI 1-515-614-21 * RELAY	C72 1-163-116-00 S CBRANIC CHIP 91PF 5% 50V C76 1-163-081-00 S CBRANIC CHIP 0,25uP 25V C82 1-135-125-21 S TANTALUM CHIP 33uF 20% 10V C83 1-135-125-21 S TANTALUM CHIP 33uF 20% 10V C97 1-124-584-00 S LBCC 1000# 20% 10V
FL-57 BOARD  Ref. No. O'Ty Part No. SP Description	C98 1-124-286-00 s ELECT(KONPOLAR) 33 20% 16V C99 1-163-095-00 s CERANIC CHIP 12PF 5% 50V C101 1-131-379-00 s TANTALUM 22DF 10% 10V C102 1-163-088-00 s CERANIC CHIP 5PF 0.25PF 50V
3*** 1-625-895-11 s PRINTED CIRCUIT BOARD, FL-57	CNI 1-566-960-11 o CONNECTOR, 50P, MALE
	CV1 1-141-370-11 s CAP, CHIP TRIMMER 50PF CV2 1-141-311-11 s TRIMMER 20PF CV3 1-141-311-11 s TRIMMER 20PF
BP-43 BDARD  Ref. No. SP Description	01 8-719-800-76 s 01006 185226 02 8-719-104-31 s 10106 185235 03 8-719-104-31 s 10106 182835 04 8-719-104-34 10106 182835 04 8-719-434-47 s 01006 1838368 05 8-719-434-37 s 10106 1838368
1pc 1-627-593-11 o PRINTED CIRCUIT BOARD, HP-43 CI J-162-773-11 s CERAMIC 0,0047-P 5% 50V	D6 8-719-800-76 s D10DE 1SS226 D7 8-719-104-34 s D10DE 1S2836 D8 8-719-948-47 s D10DE HSM88AS
C2 1-162-773-11 s CERAMIC 0.0047uF 5% 50V	D9 8-719-948-47 s DIODE HSM88AS
J1 1-507-980-11 s JACK, PHONE	DL1 1-415-756-11 s DELAY LINE DL2 1-415-485-11 s DELAY LINE 120mS+6mS
R1 1-249-395-11 s CARBON 15 5% 1/4W R2 1-249-395-11 s CARBON 15 5% 1/4W	ICI 8-758-981-51 s IC 8C1490M IC4 8-759-905-53 s IC 1L062CPS IC5 1-807-422-11 s IC 8-1217 IC6 8-759-905-53 s IC IL062CPS IC7 8-759-981-51 s IC KC14964
	IC8 8-759-009-51 s IC MC14538BF IC9 8-759-009-51 s IC MC14538BF IC10 8-759-008-79 s IC TC4011BF

	P		

Ref No. or G'ty Part No. SP Description 1--410--713--31 s inductor chip 47uH 1--410--717--31 s inductor chip 100uH 1--410--705--31 s inductor chip 10uH 1.5 1-410-708-31 s INDUCTOR CHIP 18uff 1.6 1-410-717-31 s INDUCTOR CHIP 100oH 1-408-845-00 s COIL, VAR 100uH 8-729-122-63 s TRANSISTUR 2SA1226 8-729-175-72 s TRANSISTUR 2SC2757 ū2 03 8-729-122-63 s TRANSISTOR 2SA1226 8-729-175-72 s TRANSISTOR 2SC2757 8-729-175-72 s TRANSISTOR 2SC2757 9 910 011 8-729-175-72 s TRANSISTOR 2SC2757 8-729-100-66 s TRANSISTOR 2SC1623 Q12 013 8-729-175-72 s TRANSISTOR 2SC2757 8-729-122-63 s TRANSISTOR 2SA1226 914 8-729-175-72 s TRANSISTOR 2SC2757 015 021 8-729-175-72 s TRANSISTOR 2SC2757 8-729-175-72 s TRANSISTOR 2SC2757 Q22 8-729-175-72 s TRANSISTUR 2SC2757 923 8-729-122-63 s TRANSISTOR 2SA1226 024 925 8-729-109-44 s TRANSISTOR 25K94 026 8-729-109-44 s TRANSISTOR 2SK94 927 8-729-122-63 s TRANSISTOR 2SA1226 Q28 8-729-122-63 s TRANSISTOR 2SA1226 8-729-109-44 s TRANSISTOR 25K94 029 030 8-729-109-44 s TRANSISTOR 2SK94 8-729-122-63 s TRANSISTOR 2SA1226 8-729-122-63 s TRANSISTOR 2SA1226 8-729-122-63 s TRANSISTOR 2SA1226 032 033 Q34 8-729-122-63 s TRANSISTOR 2SA1226 935 8-729-122-63 s TRANSISTOR 2SA1226 8-729-122-63 s TRANSISTOR 2SA1226 037 8-729-100-66 s TRANSISTOR 2SC1623 938 8-729-109-44 s TRANSISTOR 2SK94 8-729-175-72 s TRANSISTOR 2SC2757 041 942 8-729-175-72 s TRANSISTUR 2SC2757 943 8-729-175-72 s TRANSISTOR 2SC2757 044 8-729-109-44 s TRANSISTOR 2SK94 045 8-729-109-44 s TRANSISTUR 25X94 8-729-175-72 s TRANSISTOR 25C2757 8-729-175-72 s TRANSISTOR 25C2757 8-729-175-72 s TRANSISTOR 25C2757 046 947 048 8-729-122-63 s TRANSISTOR 2SA1226 8-729-122-63 s TRANSISTOR 2SA1226 949 950 8-729-100-66 s TRANSISTOR 2SC1623 Q51 8-729-122-63 s TRANSISTOR 2SA1226 8-729-122-63 s TRANSISTOR 2SA1226 953 8-729-175-72 s TRANSISTOR 2802757 054 8-729-175-72 s TRANSISTOR 2SC2757 8-729-122-63 s TRANSISTUR 2SAL226 8-729-122-63 s TRANSISTUR 2SAL226 956 957 958 8-729-216-22 s TRANSISTUR 2SAL162 959 8-729-100-66 s TRANSISTOR 25C1623

#### (1E-30P BOARD)

(16-30)	bunkb)
Ref. No. or Q'ty	Part No. SP Description
R7	1-216-627-11 s METAL CHIP 100 0,50% L/10W
R8	1-216-689-11 s METAL CHIP 5,68 0,50% L/10W
R10	1-216-647-11 s METAL CHIP 680 0.50K 1/10W
R13	1-216-641-11 s METAL CHIP 330 0,50K 1/10W
R28	1-216-631-11 s METAL CHIP 150 0,50% L/10W
R29	1-216-651-11 s METAL CHIP 1K 0,50% 1/10W
R32	1-216-634-11 s METAL CHIP 200 0,50% 1/10W
R33	1-216-658-11 s METAL CHIP 2X 0,50% 1/10W
R34	1-216-651-11 s METAL CHIP 1X 0,50% 1/10W
R45	1-216-639-11 s METAL CHIP 330 0,50% 1/10W
R59	1-216-651-11 s METAL CHIP 1K 0,50% 1/10W
R60	1-216-631-11 s METAL CHIP 150 0,50% 1/10W
R63	1-216-651-11 s METAL CHIP 1K 0,50% 1/10W
R79	1-216-655-11 s METAL CHIP 2K 0,50% 1/10W
R80	1-216-651-11 s METAL CHIP 1K 0,50% 1/10W
R81	1-216-658-11 s METAL CHIP 2K 0,50% 1/10N
R82	1-216-643-11 s METAL CHIP 470 0,50K 1/10N
R88	1-216-644-11 s METAL CHIP 510 0,50K 1/10N
R89	1-216-644-11 s METAL CHIP 510 0,50K 1/10N
R91	1-216-644-11 s METAL CHIP 510 0,50K 1/10N
R93	1-216-651-11 s METAL CHIP 1X 0.50% 1/10W
R94	1-216-658-11 s METAL CHIP 2X 0.50% 1/10W
R108	1-216-675-11 s METAL CHIP 10X 0.50% 1/10W
R109	1-216-659-11 s METAL CHIP 2.2X 0.50% 1/10W
R110	1-216-659-11 s METAL CHIP 2.2X 0.50% 1/10W
R127	1-216-667-11 s METAL CHIP 4,7K 0,56% 1/10K
R128	1-216-667-11 s METAL CHIP 4,7K 0.50% 1/10K
R129	1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
R147	1-216-675-11 s METAL CHIP 1CK 0.50K 1/10W
R148	1-216-675-11 s METAL CHIP 1CK 0.50K 1/10W
R161	1-216-682-11.s METAL CHIP 20K 0.50% 1/10W
R162	1-216-689-11 s NETAL CHIP 39K 0.50% 1/10W
R163	1-216-679-11 s METAL CHIP 15K 0.50K 1/10W
R164	1-216-680-11 s NETAL CHIP 16K 0.50% 1/10W
RV1	1-237-034-11 s RES, ADJ, METAL 2K
RV2	1-237-032-11 s RES, ADJ, METAL 500
RV3	1-237-035-11 s RES, ADJ, METAL 5K
RV4	1-228-471-00 s RES, ADJ, METAL 1K
RV5	1-228-474-00 s RES, ADJ, METAL 1K
RV6	1-237-035-11 s RES, ABJ, METAL 5K
RV7	1-228-472-00 s RES, ADJ, METAL 2K
RV8	1-228-470-00 s RES, ADJ, METAL 500
RV10	1-237-035-11 s RES, ADJ, METAL 5K
RV12	1-237-038-11 s RES, ADJ, METAL 5K
RV13	1-237-032-11 s RBS, ADJ, METAL 500
RV14	1-237-033-11 s RBS, ADJ, METAL 1K
\$1	1-570-610-11 s SWITCH, TOGGLE

1E-31 BO	ARD	IF-298 B	DARD	
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SF	Description
lpc	A-7520-000-A • MOUNTED CIRCUIT BOARD, IE-31	1pc	A-7515-149~A	MOUNTED CIRCUIT BOARD, IF-298
C110 C113 C114 C115 C116	1-135-216-21 s TANTALUM CHIP 10uF 10% 10V 1-135-177-21 s TANTALUM CHIP 1uF 10% 25V 1-135-177-21 s TANTALUM CHIP 1uF 10% 25V 1-135-216-21 s TANTALUM CHIP 1uF 10W 10X 10V 1-135-177-21 s TANTALUM CHIP 1uF 10% 25V	C11 C13 C32 C33	1-135-216-11 s 1-135-216-11 s	TANTALUM CHIP 100F 10% 10V 10V 20V 100F 100F 10% 10V 10V 20V 100F 10% 10V 10V 10V 100F 10% 10V
C118 C119	1-135-216-21 s TANTALUM CHIP 10uF 10% 10V 1-135-093-95 s TANTALUM CHIP 10uF 10% 16V	CN1 CN2 CN3 CN4	1-565-157-11 c 1-565-161-11 c 1-565-161-11 c	CONNECTOR, 11P. MALE CONNECTOR, 10P. MALE CONNECTOR, 14P. MALE CONNECTOR, 14P. MALE
CN4 CN5	1-566-475-11 o PIN, SOCKET 3P 1-566-475-11 o PIN, SOCKET 3P	EN5		CONNECTOR. 8P, MALE
D10	8-719-800-76 s DIODE 188226	D1 D2 D3	8-719-104-31 s 8-719-101-58 s 8-719-104-31 s	DIODE RD5, 6EL2
DL3 DL4	1-415-408-11 s DELAY LINE, DUAL 50mS, 100mS 1-415-502-11 s DELAY LINE, 100mS	D6 D7	8-719-104-31 s 8-719-800-76 s	DIODE 192838
965 966 967 968 969	8-729-122-63 s TRANSISTOR 2SA1226 8-729-100-66 s TRANSISTOR 2SC1623 8-729-100-66 s TRANSISTOR 2SC1623 8-729-175-72 s TRANSISTOR 2SC2757 8-729-175-72 s TRANSISTOR 2SC2757	D8 D9 D10 D11 D12	8-719-104-31 s 8-719-104-31 s 8-719-104-31 s 8-719-104-34 s 8-719-104-34 s	BIODE 182838 BIODE 182838 BIODE 182836
Q70 Q71	8-729-100-66 s TRANSISTOR 28C1623 8-729-175-72 s TRANSISTOR 28C2757	D13	8-719-104-31	D1008 182838
072 073 074	8-729-122-63 s TANNSISTUR 254226 8-729-122-63 s TANNSISTUR 2541226 8-729-100-66 s TRANSISTOR 2541226	IC1 IC2 IC3 IC4	8-759-209-97 \$ 8-759-101-12 \$ 8-741-158-80 \$	IC UPC311G2
Q75	8-729-100-66 s TRANSISTOR 2SC1623	105		IC SBX1588-01
R203 R204 R205 R207 R208	1-216-644-91 s METAL CBIP 510 0.50% 1/10M 1-216-644-91 s METAL CBIP 510 0.50% 1/10M 1-216-644-91 s METAL CBIP 510 0.50% 1/10M 1-216-644-91 s METAL CBIP 510 0.50% 1/10M 1-216-664-91 s METAL CBIP 3.6% 0.50% 1/10M	106 107 108 109 1010	8-759-153-63 s 8-759-008-79 s 8-759-009-19 s 8-759-009-13 s 8-759-207-74 s	E IC TC4011BF E IC MC14081BF
R209 R211 R215 R217 R219	1-216-656-91 s METAL CHIP 1.6K 0.508 1/10W 1-216-657-91 s METAL CHIP 1.8K 0.50% 1/10W 1-216-042-00 s METAL CHIP 510 58 1/10W 1-216-639-91 s METAL CHIP 2X 0.508 1/10W 1-216-639-91 s METAL CHIP 330 0.50% 1/10W	IC11 IC12 IC13 IC14 IC15	8-759-209-90 8-759-209-97 8-759-205-78 8-759-209-69 8-759-231-30	: IC TC4S81F : IC TC504013BF : IC TC4S11F
R220 R221	1-216-639-91 s METAL CHIP 330 0.50% 1/10W 1-216-689-91 s METAL CHIP 39K 0.50% 1/10W	IC16 IC17	8-759-209-57 8-759-209-57	
R224 R226	1-216-656-91 s METAL CHIP 1.6K 0.50% 1/10W 1-216-633-91 s METAL CHIP 180 0.50% 1/10W	LI	1-410-713-31	INDUCTOR, CHIP 47uH
R227 R231	1-216-656-91 s METAL CHIP 1, 6K 0, 50% 1/10W 1-216-633-91 s METAL CHIP 180 0,50% 1/10W	01 02 04	8-729-162-43 8	TRANSISTOR 2SC1623 TRANSISTOR 2SB624-BV3 TRANSISTOR 2SB596
RV17 RV18	1-237-032-11 s RES, ADJ, METAL 500 1-237-032-11 s RES, ADJ, METAL 500	Q5 Q6	8-729-100-66 8	TRANSISTOR 2SC1623 TRANSISTOR 2SC1623
RV19 S2	1-237-035-11 s RES, ADJ, METAL 5K 1-553-510-11 s SWITCH, SLIDE	97 98 99 911 912	8-729-100-66 s 8-729-216-22 s 8-729-100-66 s	TRANSISTOR 28C1623 TRANSISTOR 28C1623 TRANSISTOR 28A1162 TRANSISTOR 28C1623 TRANSISTOR 28C1623
		Q13	8-729-100-66	TRANSISTOR 2SC1623

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(1F-298 BOARD)
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Ref. No. or Q'ty	Part No. SP Description
	1-249-437-11 s CARBON 47K 5% 1/4W 1-216-675-11 s METAL CHIP 10K 0,50% 1/10W
R9	1-216-620-11 s METAL CHIP 51 0.50% 1/10W
	1-216-683-11 s MBTAL CHIP 22K 0.50% 1/10W
R11	1-216-649-11 s MRTAL CHIP 820 0.50% 1/10W
R14	1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
R15	1-216-651-11 S METAL CHIP 1K 0.50% 1/10W
R16	1-216-624-11 s METAL CHIP 75 0.50% 1/10W
R22	1-216-651-11 s METAL CHIP 1K 0,50% 1/10W
R23	1-216-651-11 s WETAL CHIP 1K 0.50% 1/10W
	4 040 001 44 YORK CHIP RE 0 FOW 1 (100)
	1-216-624-11 s METAL CHIP 75 0.50% 1/10N
	1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
R29	1-216-651-11 s MBTAL CHIP 1K 0.50% 1/10W
R30	1-216-624-11 s METAL CHIP 75 0.50% 1/10W

1-216-651-11 s METAL CHIP 1K 0.50% 1/10M 1-216-660-11 s METAL CHIP 2, 4K 0.50% 1/10W 1-218-761-00 s METAL CHIP 240K 0.50% 1/10W 1-218-769-00 s METAL CHIP 510K 0.50% 1/10W R41 R42 R53 R54 1-218-769-00 s METAL CHIP 510K 0.50% 1/10W R64

1-216-663-11 s METAL CHIP 3.3K 0.50% 1/10W

R66 1-216-066-00 s METAL CHIP 5, 1K 5% 1/10%

1-570-857-11 s SWITCH, SLIDE S1 S2 S3 1-570-857-11 s SWITCH, SLIDE 1-570-857-11 s SWITCH, SLIDE 1-570-857-11 s SWITCH, SLIDE \$4 1-570-857-11 s SWITCH, SLIDE

\$6 1-570-857-11 s SWITCH, SLIDE \$7 1-553-510-00 s SWITCH, SLIDE 1-553-510-00 s SWITCH, SLIDE \$8

11 1-427-613-11 s TRANSFORMER, AUDIO INPUT DUTPUT

### KY-124 BOARD

Ref. No.

or Q'ty Part No. SP Description

1pc 1-625-549-11 o PRINTED CIRCUIT BOARD, KY-124

CN1 1-565-143-11 o CONNECTOR, 10P, MALE

N1 8-719-920-65 s DIODE GL-1HDI 02 8-719-920-65 s DIODE GL-1HD1 03 8-719-920-65 s DIODE GL-1HD1

S1 1-554-371-51 s SWITCH, TACT

1-554-371-51 s SWITCH, TACT 1-554-371-51 s SWITCH, TACT \$4

\$5

1-554-371-51 s SWITCH, TACT 1-554-371-51 s SWITCH, TACT

LD-21 BOARD

Ref. No.

or Q'ty Part No. SP Description

A-6725-602-A o MOUNTED CIRCUIT BOARD, LD-21 1pc 3-723-091-01 o HOLDER, TOP SENSOR 1pc

1-506-471-11 o CONNECTOR, 6P. MALE CN1

8-719-106-36 s 01008 RD8, 2M-B3 B1

8-759-948-05 s 1C BA6229 101

1-408-773-31 s INDUCTOR CHIP 4.7uH

1-408-773-31 s INDUCTOR CHIP 4, 7uH 1-464-909-21 s SENSOR, COIL

αı 8-729-100-66 s TRANSISTOR 2501623

LP-40 ROARD

Ref. No.

or Q'ty Part No. SP Description

1-625-086-11 o PRINTED CIRCUIT BOARD, LP-40 1nc 1-562-753-11 o COONNECTOR (WAFER), 8P, FEMALE 1pc

8-719-950-72 s DIODE BROO35 N1

LP-42 BOARD

Ref. No.

or O'ty Part No. SP Description

1-625-087-11 o PRINTED CIRCUIT BOARD, LP-42

01 8-719-950-44 s DIODE GL-5LR40, RED **n**2 8-719-950-44 s DIODE GL-5LR40, RED

LP-58 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-635-204-11 o PRINTED CIRCUIT BOARD, LP-58 1pc 1-562-753-11 o COONNECTOR (WAFER), 8P, FEMALE lpc

CN2 1-565-135-11 o PIN, CONNECTOR (STRAIGHT) 2P

D1 8-719-950-72 s D!ODE BRO035 D2 8-719-812-44 s DIODE TL0124, ORANGE

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M8-137P BOARD
                                                                             (MB-137P BOARD)
Ref. No.
                                                                             Ref. No.
or G'ty Part No.
                                                                            or Q'ty Part No.
                        SP Description
                                                                                                    SP Description
          A-7515-157-A o MOUNTEB CIRCUIT BOARD, MB-317P
                                                                            CN41
                                                                                       1-562-772-11 o CONNECTOR, 12P, PEMALE
2pcs
          3-722-391-01 o HOLDER, GP2S09
                                                                            CN42
                                                                                       1-562-772-11 o CONNECTOR, 12P, FEMALE
                                                                            CN43
26pcs
          3-729-061-01 s SCREW (M2X4, 5) (TYPE 1)
                                                                                       1-562-772-11 o CONNECTOR, 12P, FEMALE
                                                                                       1-562-773-11 o CONNECTOR, 40P, FEMALE
                                                                            CN44
          1-162-638-11 s CERANIC CHIP 1 16V
                                                                            CN50
                                                                                      1-566-397-11 o CONNECTOR, 14P. MALE
          1-126-394-11 s ELECT 10uF 20% 16V
          1-162-638-11 s CERAMIC CHIP I 16V
                                                                                      1-566-397-11 o CONNECTOR, 14P, MALE
1-506-471-11 o CONNECTOR, 6P, MALE
C4
                                                                             CN51
          1-126-394-11 s ELECT 10uF 20% 16V
                                                                            CN52
661
          1-162-568-11 s CERAMIC CHIP D. 33uF 25V
                                                                             CN53
                                                                                       1-506-469-11 o CONNECTOR, 4P. MALE
                                                                             CN54
                                                                                       1-566-398-11 o CONNECTOR, 16P, MALE
662
          1-162-568-11 s CERAMIC CHIP 0.33uP 25V
                                                                                       1-506-470-11 o CONNECTOR, 5P. MALE
                                                                             CN55
064
          1-163-143-00 s CERAMIC CHIP 0.0012uF 5% 50V
066
          1-126-390-11 s ELECT 22uF 20% 6.3V
                                                                            CNEC
                                                                                      1-506-481-11 o CONNECTOR, 2P. MALE
          1-162-638-11 s CERAMIC CHIP I 16V
                                                                             CN57
                                                                                       1-506-470-41 o CONNECTOR, 5P. MALE
                                                                                       1-566-395-11 o COMNECTOR, 10P, MALE
          1-162-638-11 s CERAMIC CHIP 1 16V
                                                                             CN58
                                                                             CN59
                                                                                       1-565-157-11 o CONNECTOR, 10P, MALE
0103
          1-162-638-11 s CÉRANIC CHIP 1-16V
                                                                            CNSO
                                                                                       1-564-710-11 s CONNECTOR, 8P. MALE
          1-162-638-11 s CERAMIC CHIP 1 16V
1-162-638-11 s CERAMIC CHIP 1 16V
0104
C105
                                                                            CN61
                                                                                       1-506-468-11 o CONNECTOR, 3P, MALE
                                                                                       1-506-469-11 o CONNECTOR, 4P. MALE
0106
          1-162-638-11 s CERANIC CHIP 1 16V
                                                                            CN62
          1-162-638-11 s CERAMIC CHIP 1 16V
                                                                            CN63
                                                                                       1-506-468-11 o CONNECTOR, 3P. MALE
                                                                            CN64
                                                                                      1-564-704-11 o CONNECTOR, 2P, MALE
1-506-470-11 o CONNECTOR, 5P, MALE
C126
          1-135-201-11 s TANTALUM 10uF 20% 6.3V
                                                                            CN501
          1-135-201-11 s TANTALUM 10uF 20% 6.3V
          1-126-403-11 s ELECT 3 3uF 20% 50V
1-126-403-11 s ELECT 3 3uF 20% 50V
1-126-403-11 s ELECT 3 3uF 20% 50V
                                                                            CN502
                                                                                      1-506-471-11 o CONNECTUR, 6P, MALE
1-506-467-11 o CONNECTUR, 2P, MALE
C152
                                                                            CN503
                                                                             CN504
                                                                                       1-506-468-11 o CUNNECTOR, 3P. MALE
                                                                             CN505
                                                                                       1-506-472-11 o CONNECTUR, 7P, MALE
1-506-467-11 o CONNECTUR, 2P, MALE
C201
          1-163-037-11 s CERAMIC CHIP 0, 022uF 10% 25V
                                                                            CN506
          1-163-037-11 s CERAMIC CHIP 0.0220F 10% 25V
C202
                                                                             CN507
                                                                                       1-506-467-11 o CONNECTOR, 2P, MALE
C302
          1-163-241-11 s CBRAMIC CHIP 39PF 5% 50V
          1-162-638-11 s CERAMIC CHIP 1 16V
                                                                            CN508
                                                                                       1-565-156-11 o CONNECTOR, 9P, MALE
C401
          1-164-004-11 s CERAMIC CHIP 0. 10F 10% 25V
                                                                            CN509
                                                                                       1-506-467-11 o CONNECTOR, 2P, MALE
C402
C403
          1-126-394-11 s ELECT 10uF 20% 16V
                                                                             D1
                                                                                      8-719-800-76 s 9100E 188226
C404
          1-164-004-11 s CBRAMIC CHIP 0, 1uF 10% 25V
                                                                             DŽ
                                                                                      8-719-104-31 s DIDDE 152838
                                                                                      8-719-104-31 s DIODE 182838
C407
          1-164-004-11 s CERAMIC CHIP 0, 1uP 10% 25V
                                                                            D.A.
                                                                                      8-719-104-31 s DIUDE 152838
CNI
          1-566-962-12 o CONNECTOR, BOARD TO BOARD 50P
                                                                                      8-719-941-23 s DIDDE DA2040
CN2
          1-566-962-12 · CONNECTOR, BOARD TO BOARD SOP
                                                                             062
CN3
          1-566-962-12 o CONNECTOR, BOARD TO BOARD 50P
                                                                                      8-719-941-23 s D10DE DA204U
CN4
          1-566-962-12 · CONNECTOR, BOARD TO BOARD 50P
1-566-962-12 · CONNECTOR, BOARD TO BOARD 50P
                                                                             D63
                                                                                      8-719-105-28 s DIODE RO2, 4M-B
                                                                                      8-719-105-28 s DIODE RD2 4M-B
8-719-200-36 s DIODE E100SC4
CN5
                                                                            064
                                                                            0101
CNS
          1-566-962-12 • CONNECTOR, BOARD TO BOARD 50P
1-566-962-12 • CONNECTOR, BOARD TO BOARD 50P
                                                                                      8-719-200-36 s DIODE E109SQ4
CN7
                                                                            0102
CN8
          1-566-962-12 o CONNECTOR, BOARD TO BUARD 50P
                                                                                      8-719-200-36 s DIODE E109S04
CN9
          1-566-962-12 o CONNECTOR, BOARD TO BOARD 50P
                                                                            0105
                                                                                      8-719-106-88 s DIODE RD15M-B1
          1-566-962-12 o CONNECTOR, BOARD TO BOARD 50P
                                                                            D151
                                                                                      8-719-800-76 s D1008 1SS226
CNIO
                                                                                      8-719-800-76 s DIODE 188226
                                                                            D152
                                                                                      8-719-800-76 s DIODE 1SS226
CN11
          1-566-962-12 o CONNECTOR, BOARD TO BOARD 50P
                                                                            0401
CN12
          1-566-962-12 o CONNECTOR, BOARD TO BOARD 50P
CN13
          1-566-962-12 o CONNECTOR, BOARD TO BOARD 50P
                                                                            8402
                                                                                      8-719-800-76 s BIODE 1SS226
          1-566-400-11 o CONNECTOR, 20P, MALE
                                                                                      8-719-800-76 s DIODE 1SS226
CN21
                                                                            0403
CN22
          1-566-391-11 o CONNECTOR, 12P, MALE
                                                                                      8-759-403-48 s IC AN670IS
CN23
                                                                            102
                                                                                      8-759-208-11 s IC TC4053BFRB
          1-506-468-11 o CONNECTOR, 3P, MALB
          1-306-470-11 o CONNECTOR, 5P, MALE
1-506-470-11 o CONNECTOR, 5P, MALE
1-506-468-11 o CONNECTOR, 3P, MALE
1-566-536-11 s CONNECTOR, FPC (Z1F) 20P
                                                                                      8-759-209-57 s IC TC4S69F
8-759-209-57 s IC TC4S69F
8-759-906-53 s IC TL062CPS
CN24
                                                                            103 -
CN25
                                                                             104
CN31
                                                                            1061
CN32
          1-566-536-11 s CONNECTOR, FPC (21F) 20P
                                                                             1062
                                                                                      8-759-208-11 s IC TC4053BFHB
                                                                            1063
                                                                                      8-759-981-86 s IC RC4556MA
                                                                                      8-759-805-06 s IC CXA1127M
                                                                            fC101
                                                                             IC102
                                                                                      8-759-981-92 s 1C RC4558M
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IC121

8-759-981-92 s IC RC4558M

### (MB-137P BOARD)

Ref No or Q'ty Part No. SP Description 8-759-981-92 s iC RC4558M 8-759-981-54 s iC RC2041MD 8-759-200-88 s iC TC4512BP 8-759-200-88 s iC TC4512BF 8-759-981-65 s iC LM2903M 10122 10151 JC201 IC202 10401 1Can2 8-739-605-18 s IC CX518 8-759-209-90 s IC TC4S71F 8-759-208-11 s IC TC4053BFHB 10403 10404 8-759-209-97 s IC TC4S81F 10406 1-410-713-31 s INDUCTOR CHIP 47uH 1-410-713-31 s INDUCTOR CHIP 47uH 12 1-410-709-31 s INDUCTOR CHIP 22uH L16 1-410-713-31 s INDUCTOR CHIP 47wH 1-410-704-21 s INDUCTOR CHIP 8, 20H L152 1-410-704-21 s INDUCTOR CHIP 8.20H PD31 8-719-939-05 s PHOTO SENSOR GP1854 8-719-939-05 s PHOTO SENSOR GP1S54 PD32 PB33 8-719-939-05 s PHOTO SENSOR GP1854 PD34 8-719-939-05 s PHOTO SENSOR GP1554 8-719-939-05 s PHOTO SENSOR GP1S54 PB35 PB36 8-719-939-11 s PHOTO SENSOR GP2SO9-B 8-719-939-11 s PHOTO SENSOR GP2SO9-B PB37 8-729-162-43 s TRANSISTOR 2SB624-BV3 01 8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-117-32 s TRANSISTOR 2SC4177-L6 92 Q3 8-729-117-32 s TRANSISTOR 2SC4177-L6 04 05 8-729-117-16 s TRANSISTOR 2SA1611-M6 8-729-117-32 s TRANSISTOR 2SC4177-L6 96 8-729-117-32 s TRANSISTOR 2SC4177-L6 **Q**31 8-729-117-32 s TRANSISTOR 25C4177-L6 032 8-729-117-32 s TRANSISTOR 2SC4177-L6 033 934 8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-117-32 s TRANSISTOR 2SC4177-L6 936 037 8-729-106-68 s TRANSISTOR 2S01615A-GP 0107 0108 8-729-109-44 s TRANSISTOR 25K94 8-729-271-31 s TRANSISTOR 2SC2713G 8-729-216-22 s TRANSISTUR 2SA1162 8-729-421-71 s TRANSISTUR 2SK620 9201 9202 0301 8-729-906-33 s TRANSISTUR DTC114YU 8-729-117-16 s TRANSISTOR 2SA1611-M6 Q401 0402 8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-109-44 s TRANSISTOR 2SK94 8-729-117-32 s TRANSISTOR 2SC4177-L6 Q403 0404 8-729-117-16 s TRANSISTOR 2SA1611-MG 9405 0501 8-729-102-68 s TRANSISTOR 2SC2757 1-218-675-11 s METAL CHIP 10K 0.50% 1/10W 1-216-677-11 s METAL CHIP 12K 0.50% 1/10W 88 89 1-216-680-11 s METAL CHIP 16K 0.50% 1/10W R10 1-216-684-11 s METAL CHIP 24K 0.50% 1/10W (MB-137P BOARD)

(MR-13/1	BUAKU)
Ref. No.	
or Q'ty	Part No. SP Description
R72	1-216-624-11 s METAL CHIP 75 0,50% 1/10M
R74	1-216-655-11 s MBTAL CHIP 1.5K 0.50% 1/10W
R75	1-216-662-11 s METAL CRIP 3K 0.50% 1/10N
R78	1-216-686-11 s METAL CHIP 30K 0.50% 1/10M
R101	1-216-691-11 s METAL CHIP 47K 0.50% 1/10W
R103	1-216-683-11 s METAL CHIP 22K 0,50% 1/10W
R104	1-216-687-11 s METAL CHIP 33K 0.50% 1/10W
R116	1-216-651-11 s METAL CHIP 1K 0.50% 1/10W 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
R121	1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
R122	1-216-679-11 s METAL CHIP 15K 0.50% 1/10W
R123	1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
R124	1-216-679-11 s METAL CHIP 15K 0,50% 1/10W
R153	1-216-691-11 s METAL CHIP 47K 0.50% 1/10W
R154	I-216-691-11 s MBTAL CHIP 47K 0.50% 1/10W
R155	1-216-638-11 s METAL CHIP 300 0.50% 1/10W
R157	1-216-667-11 s METAL CHIP 4.7K D.50% 1/10W
R158	1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
	1-216-671-11 s METAL CHIP 6, 8K 0, 50% 1/10W
	1-216-671-11 s METAL CRIP 6, 8K 0, 50% 1/10W
R163	1-216-671-11 s MBTAL CHIP 6.8K 0.50% 1/10W
R164	1-216-671-11 s METAL CHIP 6.8K 0.50% 1/10N
R166 .	1-216-671-11 s METAL CHIP 6.8K 0.50% 1/10W
R167	1-216-671-11 s METAL CHIP 6, 8K 0, 50% 1/10M
R168	1-216-671-11 s METAL CHIP 6, 8K 0, 50% 1/10W
R169	1-216-671-11 s METAL CHIP 6.8K 0.50% 1/10M
8501	1-216-690-11 s MSTAL CHIP 43X D. 50% 1/10M
	1-216-066-00 s METAL CHIP 5, 1K 5% 1/10W
R514	1-216-114-00 s METAL CHIP 510K 5% 1/10W

R11

1-216-624-11 s METAL CHIP 75 0.50% 1/10W

PR-132A BOARD	(PR-132A BOARD)
Ref. No. or O'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
1pc A-7515-153-A o MOUNTED CIRCUIT BOARD, PR-132A	029 8-719-910-72 s DIDUE RZ7AZL
6pcs         3-621-124-00 o SPACER           1pc         3-724-710-01 o PLATE (PR-102), ORNAMENTAL           1pc         3-724-753-01 o RING           5pcs         3-729-061-01 s SCREM (M2X4.5) (TYPE 1)	0L1 1-415-489-11 s DELAY LINE 160n5+8nS 0L2 1-415-489-11 s DELAY LINE 160n5+8nS 0L3 1-415-489-11 s DELAY LINE 160n5+8nS
1pc 3-742-076-07 s LABEL, SERVICE PARTS CODE 1pc 7-623-952-21 s WASDER 2.0, FIRER 1pc 7-688-001-12 s W.2. MIDDLE C1 1-131-265-00 s TANTALDM 104F 10% 16V	ICI 1-807-422-11 s IC BH-1217 IC2 8-759-906-53 s IC 7L062CPS IC3 1-808-254-11 s IC BH-1251 IC4 1-807-422-11 s IC BH-1217 IC5 8-759-96-53 s IC T062CPS
C3 1-131-365-00 STANTALON 104-10% 16V C7 1-162-638-11 S CERAMIC CHIP 1.16V C9 1-126-151-11 S LECT 4, 797-20% 16V C24 1-162-638-11 S CERAMIC CHIP 1 16V C25 1-126-151-11 S ELECT 4, 707-20% 16V	166 1-807-920-13 s IC BH-1217 167 8-759-920-53 s IC T-10820PS 169 1-807-422-11 s IC BH-1217 1610 1-807-422-11 s IC BH-1217 1611 8-759-90-53 s IC T-10820PS
C45 1-162-638-11 s CERAMIC CHIP 1 16V C47 1-126-151-11 s ELECT 4, 7MP 20% 16Y C63 1-131-374-00 s TANTALUM 33MF 10% 10V C65 1-135-125-21 s TANTALUM CHIP 33MF 20% 10V	1013 1-807-422-11 s 10 88-1217 1014 8-759-906-53 s 10 TL0620PS
C66 1-135-125-21 s TANTALUM CHIP 330F 20% 10V	1.2 1-410-713-31 s INDUCTIR, CHIP 47ull 1.3 1-410-713-31 s INDUCTIR, CHIP 47ull
C80 1-135-125-21 S TANTALIN CHIP 330F 20% 10V C86 1-135-125-21 S TANTALIN CHIP 330F 20% 10V C87 1-135-165-11 S TANTALIN CHIP 330F 10% 16V C91 1-163-120-00 S CERANIC 360PF 5% 50V	G1 8-729-175-72 s TRANSISTOR 2SC2757 G2 8-729-122-63 s TRANSISTOR 2SA1225 G3 8-729-109-44 s TRANSISTOR 2SK94 G4 8-729-175-72 s TRANSISTOR 2SK2577
C92 1-163-127-00 S CERARIC CHIP 2709F 5% 50V 33 1-163-909-00 S CERARIC CHIP 770 Z 257F 50V C95 1-162-951-00 S CERARIC CHIP 776 0. 257F 50V C96 1-102-851-00 S CERARIC CHIP 787 0. 257F 50V C97 1-101-880-00 S CERARIC 477F 5% 50V C98 1-101-880-00 S CERARIC 477F 5% 50V	910 8-729-175-72 s TRANSISTOR 2SC2757  911 8-729-175-72 s TRANSISTOR 2SC2757  912 8-729-175-72 s TRANSISTOR 2SC2757  913 8-729-175-72 s TRANSISTOR 2SC2757  914 8-729-109-44 s TRANSISTOR 2SC394  915 8-729-129-63 s TRANSISTOR 2SM39
CN1 1-566-960-11 o CONNECTOR, 50P, MALE	916 8-729-175-72 s TRANSISTOR 2SC2757
CV1 1-141-370-11 s CAP, CHIP TRIMMER 50PF CV2 1-141-370-11 s CAP, CHIP TRIMMER 50PF CV3 1-141-370-11 s CAP, CHIP TRIMMER 50PF	017 8-729-122-63 s TRANSISTOR 2841225 018 8-729-122-63 s TRANSISTOR 2841225 019 8-729-109-44 s TRANSISTOR 28894 020 8-729-175-72 s TRANSISTOR 28C2757
11 8-719-800-76 s 0100E 185226 14 8-719-848-47 s 0100E 88868AS 15 8-719-815-59 s 0100E 181555-8 18 719-815-59 s 0100E 181555-9 18 719-815-59 s 0100E 181555-5	Q26         8-729-175-72 s transistor 2002757           Q27         8-729-175-72 s transistor 2002757           Q28         8-729-175-72 s transistor 2002757           Q29         8-729-175-72 s transistor 2002757           Q30         8-729-103-44 s transistor 2002757           Q30         8-729-103-44 s transistor 2002757
08 8-719-815-59 \$ 01008 151555-5 09 8-719-910-72 \$ 011008 1872721. 010 8-719-800-76 \$ 011008 185226 014 8-719-846-47 \$ 01100 8886848 015 8-719-815-59 8 01100 818555-5	031         8-729-175-72 s transistur 2502757           052         8-729-122-63 s transistur 2502757           033         8-729-123-63 s transistur 2502757           034         8-729-175-72 s transistur 2502757           042         8-729-175-72 s transistur 2502757           042         8-729-175-72 s transistur 2502757
116	043         8-729-175-72         \$ TRANSISTOR 28C2757           944         8-729-175-72         \$ TRANSISTOR 28C2757           945         8-729-175-72         \$ TRANSISTOR 28C2757           946         8-729-109-44         \$ TRANSISTOR 28X94           947         8-729-122-63         \$ TRANSISTOR 28A1226
924 8-719-948-47 9 01006 MSM88AS 925 8-719-815-59 8 D1006 151555-5 926 8-713-815-59 8 01006 151555-8 1927 8-713-815-59 8 01006 151555-5 1928 8-713-815-59 8 01006 151555-5	048 8-729-175-72 s TRANSISTUR 28267577 049 8-729-175-72 s TRANSISTUR 28267577 050 8-729-175-72 s TRANSISTUR 2926757 051 8-729-157-72 s TRANSISTUR 2926757 055 8-729-157-72 s TRANSISTUR 2926757

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(DD	1201	DOLDON.

Ref. No. or O'ty	Part No. SP Description
958	8-729-175-72 s TRANSISTOR 2802757-
965	8-729-175-72 s TRANSISTOR 2802757-
967	8-729-122-63 s TRANSISTOR 2801226-
968	8-729-122-63 s TRANSISTOR 2801226-
969	8-729-127-72 s TRANSISTOR 2802757
971 973 974 975 976	8-729-175-72 s TRANSISTOR 28C2757 8-729-175-72 s TRANSISTOR 28C2757 8-729-175-72 s TRANSISTOR 28C2757 8-729-216-22 s TRANSISTOR 28C2757 8-729-216-22 s TRANSISTOR 28A1162 8-729-162-43 s TRANSISTOR 28B624-BV3
Q77	8-729-159-64 s TRANSISTOR 2SD596
R2	1-216-644-11 s METAL CHIP 510 0.50% 1/10W
R3	1-216-644-11 s METAL CHIP 510 0.50% 1/10W
R6	1-216-671-11 s METAL CHIP 6.8K 0.50% 1/10W
R7	1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
R12	1-216-6571-11 s METAL CHIP 6.8K 0.50% 1/10W
R14	1-216-651-11 s METAL CHIP 1K 0.50% 1/10M
R17	1-216-634-11 s METAL CHIP 24K 0.50% 1/10M
R18	1-216-675-11 s METAL CHIP 10K 0.50% 1/10M
R20	1-216-638-11 s METAL CHIP 2K 0.50% 1/10M
R21	1-216-638-11 s METAL CHIP 2K 0.50% 1/10M
R22	1-216-658-11 s NETAL CHIP 2K 0.50% 1/10M
R35	1-216-649-11 s NETAL CHIP 820 0.50% 1/10M
R38	1-216-668-11 s NETAL CHIP 4.3K 0.50% 1/10M
R47	1-216-683-11 s NETAL CHIP 3.3K 0.50% 1/10M
R55	1-216-644-11 s NETAL CHIP 510 0.50% 1/10M
R56	1-216-644-11 s NETAL CHIP 510 0.50% 1/10W
R60	1-216-671-11 s NETAL CHIP 6.8% 0.50% 1/10W
R61	1-216-659-11 s NETAL CHIP 2.2% 0.50% 1/10W
R63	1-216-651-11 s NETAL CHIP 1% 0.50% 1/10W
R64	1-216-672-11 s NETAL CHIP 7.5% 0.50% 1/10W
R69	1-216-684-11 s METAL CHIP 24X 0.50% 1/10W
R70	1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
R86	1-216-649-11 s METAL CHIP 820 0.50% 1/10W
R88	1-216-666-11 s METAL CHIP 4.3X 0.50% 1/10W
R98	1-216-663-11 s METAL CHIP 3.3X 0.50% 1/10W
	1-216-644-11 s METAL CHIP 510 0,50% 1/10W 1-216-644-11 s METAL CHIP 510 0,50% 1/10W 1-216-671-11 s METAL CHIP 6,8% 0,50% 1/10W 1-216-69-11 s METAL CHIP 2,2% 0,50% 1/10W 1-216-671-11 s METAL CHIP 6,8% 0,50% 1/10W
R118	1-216-651-11 s NETAL CHIP 1K 0.50% 1/10W
R121	1-216-684-11 s NETAL CHIP 24K 0.50% 1/10W
R122	1-216-675-11 s NETAL CHIP 10K 0.50% 1/10W
R141	1-216-649-11 s NETAL CHIP 820 0.50% 1/10W
R143	1-216-666-11 s NETAL CHIP 4.3K 0.50% 1/10W
R165 R167 R170	1-218-663-11 s METAL CHIP 3, 3K 0.50% 1/10M 1-216-661-11 s METAL CHIP 2,7% 0.50% 1/10M 1-216-661-11 s METAL CHIP 2,7% 0.50% 1/10M 1-216-663-11 s METAL CHIP 3,3% 0.50% 1/10M 1-216-662-11 s METAL CHIP 3K 0.50% 1/10M

### (PR-132A BOARD)

(LK-195)	DUARU
Ref. No. or Q'ty	Part No. SP Description
R172	1-216-663-11 s METAL CHIP 3, 3K 0, 50% 1/10M
R183	1-216-661-11 s METAL CHIP 2, 7K 0, 50% 1/10M
R211	1-216-667-11 s METAL CHIP 4, 7K 0, 50% 1/10M
R212	1-216-689-11 s METAL CHIP 5, 6K 0,50% 1/10M
R213	1-216-667-11 s METAL CHIP 4, 7K 0, 50% 1/10M
R226	1-216-661-11 s MBTAL CHIP 2.7K 0.50% 1/10M
R243	1-216-102-00 s MBTAL 160X 5% 1/10M
R244	1-216-690-11 s MBTAL CHIP 43K 0.50% 1/10W
R245	1-216-684-11 s MBTAL CHIP 24K 0.50% 1/10W
R246	1-216-683-11 s MBTAL CHIP 56K 0.50% 1/10W
R247	1-249-439-11 s CARBON 68% 5% 1/4W
R248	1-247-881-00 s CARBON 120% 5% 1/4W
R249	1-247-876-11 s CARBON 75% 5% 1/4W
RV1	1-237-032-11 s RES, ADJ, METAL 500
RV2	1-228-473-00 s RES, ADJ, METAL 5K
RV3	1-228-472-00 s RES, ADJ, METAL 2K
RV7	1-228-474-00 s RES, ADJ, METAL 10K
RV8	1-228-470-00 s RES, ADJ, METAL 500
RV9	1-228-471-00 s RBS, ADJ, METAL 1K
RV10	1-237-032-11 s RBS, ADJ, METAL 500
RV11	1-228-473-00 s RBS, ADJ, METAL 5K
RV12	1-228-472-00 s RBS, ADJ, METAL 2K
RV16	1-228-474-00 s RBS, ADJ, METAL 10K
RV17	1-228-470-00 s RBS. ADJ. METAL 500
RV18	1-228-471-00 s RBS. ADJ. METAL 1K
RV19	1-237-032-11 s RBS. ADJ. METAL 500
RV20	1-228-473-00 s RBS. ADJ. METAL 5K
RV21	1-228-472-00 s RBS. ADJ. METAL 2K
RV26	1-228-474-00 s RES, ADJ, METAL 10K
RV27	1-228-470-00 s RES, ADJ, METAL 500
RV28	1-228-471-00 s RES, ADJ, METAL 1K
RV29	1-237-036-11 s RES, ADJ, METAL 10K
RV30	1-237-036-11 s RES, ADJ, METAL 10K
RV34	1-237-036-11 s RES, ADJ. METAL 10K
RV35	1-237-036-11 s RES, ADJ, METAL 10K
\$1	1-570-857-11 s SWITCE, SLIDE
\$2	1-570-857-11 s SWITCE, SLIDE
\$3	1-570-857-11 s SWITCE, SLIDE
\$4	1-570-857-11 s SWITCE, SLIDE
\$5	1-570-857-11 s SWITCE, SLIDE
TB1	1-806-627-31 s THERMISTOR (POSITIVE)
TB2	1-806-627-31 s THERMISTOR (POSITIVE)
TB3	1-806-627-31 s THERMISTOR (POSITIVE)

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PS-162 ROARD
                                                                              SG-152AP BEARD
Ref. No.
                                                                              Ref. No.
or W tv Part No.
                        SP Description
                                                                              or O'ty Part No.
                                                                                                     SP Description
        AA-6723-368-A O MOUNTED CIRCUIT BOARD PS-162
                                                                                        A-7515-155-A o MOUNTED CLECKIT BOARD, SG-152AP
                                                                              1pc
          3-724-752-01 o HOLDER (PS), PC BOARD
3-729-012-01 s SCREW (MCX5)
7-623-420-07 s LW 2. TYPS B
1pc
                                                                             2pcs
                                                                                        1-568-613-11 o CONNECTOR, FEMALE, 2P
Îpc
                                                                                        3-621-124-00 o SPACER
                                                                              2nce
Inc
                                                                              1pc
                                                                                        3-724-753-01 o RING
                                                                                        3-729-061-01 s SCREW (M2X4.5) (TYPE 1)
                                                                              Sncs
          1-126-094-11 s BLBCT 4, 7uF 20% 16V
1-125-309-00 s DOBBLE LAYERS 0, 33FARAD 5, 5V
C1
                                                                              1nc
                                                                                       3-734-721-01 o PLATE (SG-152), ORNAMENTAL
          1-124-248-00 s BLECT 22uF 20% 25V
                                                                              1pc
                                                                                        7-688-001-12 s W 2, MIDDLE
CR1
        ▲1-532-681-00 s CIRCUIT BREAKER
                                                                                        1-131-388-00 s TANTALUM 68eF 10% 6 3V
                                                                              £3
                                                                                        1-131-374-00 s TANTALUM 339F 10% 10V
CN1
          1-564-705-11 o CONNECTOR, 3P, MALE
                                                                                        1-135-149-21 s TANTALUM CHIP 2, 20F 10% 10V
          1-564-707-11 o CONNECTOR, 5P. MALE
1-506-468-11 o CONNECTOR, 3P. MALE
                                                                                        1-163-099-00 s CERAMIC CHIP 18PF 5% 5DV
CN2
CN3
                                                                              68
                                                                                        1-135-162-21 s TANTALIDA CHIP 33oF 10% 6 3V%
          1-506-468-11 o CONNECTOR, 3P. MALE
CNA
                                                                              с9
CNS
          1-564-710-11 s CONNECTOR, 8P. MALE
                                                                                        1-163-241-11 s CERAMIC CHIP 39PF 5% 50V
                                                                                        1-163-241-11 s CERAMIC CHIP 39PF 5% 50V
                                                                              C10
                                                                                        1-135-149-21 s TANTALUM CHIP 2. 20F 10% 10V
1-135-149-21 s TANTALUM CHIP 2. 20F 10% 10V
CNG
          1-566-528-11 s CONNECTOR, FPC (ZIF) 12F
C27
          1-564-704-11 o CONNECTOR, 2P. MALE
1-506-469-11 o CONNECTOR, 4P. MALE
                                                                              C13
CN8
                                                                              C14
                                                                                        1-163-809-11 s CERAMIC CHIP 0.047uF 5% 25V
          1-564-706-31 o CONNECTOR, 4P, MALE
CNIO
                                                                                        1-135-125-21 s TANTALUM CHIP 33uF 20% 10V
1-135-149-21 s TANTALUM CHIP 2.2uF 10% 10V
                                                                              616
D1
          8-719-911-55 s DIODE 005G
                                                                              C18
D2
          8-719-800-76 s DIODE 1SS226
                                                                              C21
                                                                                        1-163-114-00 s CBRAMIC CHIP 75PF 5% 50V
1-135-149-21 s TANTALUM CHIP 2 2uf 10% 10V
03
          8-719-800-76 s DIODE ISS226
                                                                              C24
          8-719-911-55 s DIODE UC56
                                                                                        1-163-809-11 s CERAMIC CHIP 0, 047uF 5% 25V
ÐĀ
                                                                              C28
05
          8-719-160-20 s DIODE RDA 7FB
                                                                              C30
                                                                                        1-135-149-21 s TANTALUM CHIP 2.20F 10% 10%
101
                                                                              C31
                                                                                        1-162-638-11 s CERAMIC CHIP 1 16V
          8-759-906-53 s 1C TL062CPS
                                                                                        1-135-149-21 s TANTALUM CHIP 2. 2uF 10% 10V
102
          8-759-939-41 s IC S-81230AG-RB
                                                                              C38
                                                                              C42
                                                                                        1-103-119-00 s CERAMIC CHIP 100PF 10% 50V
                                                                                        1-135-149-21 s TANTALUM CRIP 2 2uF 10% 10V
Q1
          8-729-202-62 s TRANSISTOR 2SD1221
                                                                              €44
02
          8-729-100-66 s TRANSISTOR 2SC1623
          8-729-119-59 s TRANSISTOR 25K612-Z
                                                                              C45
                                                                                        1-131-367-00 s TANTALUM 22uF 10% 16V
03
                                                                                        1-135-149-21 s TANTALUM CHIP 2, 2uF 10% 10V
04
                                                                              C46
          8-729-109-44 s TRANSISTUR 2SK94
                                                                                        1-131-367-00 s TANTALUM 22uP 10% 16V
                                                                              C49
                                                                              C50
                                                                                        1-135-149-21 s TANTALUM CHIP 2, 20F 10K 10V
1-135-149-21 s TANTALUM CHIP 2, 20F 10K 10V
R1
          1-249-389-11 s CARBON 4 7 5% 1/6W
                                                                              C51
RVI
          1-230-873-11 s RES. ADJ. METAL 47K
                                                                              C58
                                                                                        1-162-638-11 s CERAMIC CHIP 1 16V
                                                                                        1-162-637-11 s CBRAMIC CHIP 0.47 16V
                                                                              C59
S1
          1-570-610-11 s SWITCH, THIGHLE
                                                                                        1-162-638-11 s CERAMIC CHIP 1 16V
9
          1-570-610-11 s SWITCH, TOGGLE
                                                                              C62
                                                                              C66
                                                                                        1-135-157-21 s TANTALUM CHIP 10uF 10% 6.3V
                                                                              C67
                                                                                        1-131-388-00 s TANTALUM 680F 10% 6 3V
                                                                              C70
                                                                                        1-163-011-11 s CERAMIC CHIP 0.0015 10% 50V
                                                                              CN1
                                                                                        1-566-960-11 o CONNECTOR, 50P, MALE
                                                                              01
                                                                                        8-719-800-76 s 0100E ISS226
                                                                                        8-719-914-11 s DIODE HZ4ALL
8-719-800-76 s DIODE 188226
                                                                              D2
                                                                              D.
                                                                                        8-719-800-76 s DIODE 188226
                                                                                        8-719-800-76 s D10DE 1SS226
                                                                              05
                                                                              86
                                                                                        8-719-800-76 s BIODE 188226
                                                                                        8-719-951-12 s DIODE HZ58LL
8-719-948-47 s DIODE HSM88AS
                                                                              09
                                                                             D10
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D12

8-719-400-18 s DIODE MA152NK 8-719-800-76 s DIODE 155226

### (SG-152AP BOARD)

Ref. No. or Q'ty	Part No. SP Description
D13	8-719-910-65 s DIODE MZ682L
D15	8-719-921-12 s DIODE MZ682L
D16	8-719-109-81 s DIODE RD4, 7BS-82
D17	8-719-300-76 s DIODE ISS226
D18	8-719-104-34 s DIODE ISS236
D19	8-719-800-76 s DIDDE 188226
D20	8-719-400-18 s DIDDE MA152WK
IC1	8-741-104-00 s IC 8X1040 ·
102	8-759-101-12 s IC UPC31162
103	8-752-335-47 s IC CX01216M
104	8-759-009-07 s IC MC14053BF
105	8-759-008-54 s IC TL054CNS
106	8-759-008-45 s IC MC74HC4538F
107	8-757-930-11 s IC CXT930A
108	8-759-200-79 s IC TC40498P
109	8-759-204-93 s IC TC500001F
1010	8-759-209-57 s IC TC4569P
1011	8-759-907-21 s IC CXT969
IC12	8-759-204-93 s IC TC50H001P
IC13	8-759-906-54 s IC TC04CNS
IC14	8-759-632-07 s IC M5237L
IC15	8-759-009-07 s IC MC14053BP
IC17	8-759-906-54 s IC TC064CNS
IC18	8-759-209-57 s IC TC4S69F
IC19	8-759-209-57 s IC TC4S69F
IC20	8-759-209-57 s IC TC4S69F
IC25	8-759-112-66 s IC UPC81262
L1	1-410-713-31 s INDUCTOR, CHEP 47-H
L2	1-410-713-31 s INDUCTOR, CHEP 47-H
L3	1-410-713-31 s INDUCTOR, CHEP 47-H
L4	1-410-709-31 s INDUCTOR, CHEP 22-H
L5	1-410-709-31 s INDUCTOR, CHEP 22-H
L6	1-410-713-31 s INDUCTOR, CHIP 47WH
L7	1-410-713-31 s INDUCTOR, CHIP 47WH
L8	1-410-713-31 s INDUCTOR, CHIP 47WH
L9	1-410-713-31 s INDUCTOR, CHIP 47WH
L10	1-410-713-31 s INDUCTOR, CHIP 47WH
L11	1-410-708-31 s INDUCTOR, CHIP 1808
FAI	1-410-619-11 s 100wH
Q1	8-729-216-22 s TRANSISTOR 2SA1162
Q2	8-729-100-66 s TRANSISTOR 2SC1623
Q3	8-729-100-66 s TRANSISTOR 2SC1623
Q4	8-729-100-66 s TRANSISTOR 2SC1623
Q5	8-729-100-66 s TRANSISTOR 2SC1623
06	8-729-216-22 s TRANSISTOR 2SA1162
07	8-729-216-22 s TRANSISTOR 2SA1162
08	8-729-807-33 s TRANSISTOR 2S81123
09	8-729-807-50 s TRANSISTOR 2S81123
010	8-729-807-33 s TRANSISTOR 2S81123

### (SG-152AP BOARD)

(Sb-13ZR	IP BUAKU)
Ref. No. or Q'ty	Part No. SP Description
911	8-729-100-66 s TRANSISTOR 2SC1623
912	8-729-807-33 s TRANSISTOR 2SB1123
913	8-729-216-22 s TRANSISTOR 2SB1162
916	8-729-100-66 s TRANSISTOR 2SC1623
919	8-729-100-66 s TRANSISTOR 2SC1623
920	8-729-100-66 s TRANSISTOR 2SC1623
921	8-729-216-22 s TRANSISTOR 2SA1162
922	8-729-216-22 s TRANSISTOR 2SA1162
923	8-729-100-66 s TRANSISTOR 2SC1623
R14	1-216-066-00 s METAL CHIP 5.1K 5% 1/10W
R17	1-216-066-00 s METAL CHIP 5.1K 5% 1/10W
R22	1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
R58	1-216-681-91 s METAL CHIP 18K 0.5% 1/10W
R59	1-216-681-91 s METAL CHIP 2.7K 0.5% 1/10W
R61	1-216-687-11 s METAL CHIP 33K 0.50K 1/10M
R62	1-216-689-11 s METAL CHIP 36K 0.50K 1/10M
R63	1-216-688-11 s METAL CHIP 36K 0.50K 1/10M
R64	1-216-687-11 s METAL CHIP 36K 0.50K 1/10M
R65	1-216-693-11 s METAL CHIP 56K 0.50K 1/10M
R79	1-216-635-11 s METAL CRIP 220 0.50% 1/10M
R80	1-216-649-11 s METAL CRIP 820 0.50% 1/10M
R99	1-216-126-11 s METAL CRIP 1.6M 5% 1/10M
R110	1-216-659-11 s METAL CRIP 2.2% 0.50% 1/10W
R137	1-216-697-11 s METAL CRIP 82% 0.50% 1/10W
R138	1-216-651-11 s METAL CHIP 1K 0,50% 1/10W
R139	1-216-627-11 s METAL CHIP 100 0,50% 1/10W
R140	1-216-679-11 s METAL CHIP 15K 0,50% 1/10W
R141	1-216-679-11 s METAL CHIP 10K 0,50% 1/10W
R147	1-216-691-11 s METAL CHIP 47K 0,50% 1/10W
R150	1-216-295-00 s MGTAL CHIP 0 5% 1/10W
R151	1-216-690-11 s MGTAL CHIP 43K 0,50% 1/10W
R153	1-216-104-00 s MGTAL 200K 5% 1/10W
RV2	1-228-474-00 s res, ADJ, METAL 10K
RV3	1-237-037-11 s res, ADJ, METAL 20K
RV4	1-237-033-11 s res, ADJ, METAL 1K
RV5	1-228-032-10 s res, ADJ, METAL 2K
RV6	1-228-475-00 s res, ADJ, METAL 2K
R¥7	1-228-475-00 s RES, ADJ, METAL 20X
\$2	1-553-925-00 s SWITCH, ROTARY
\$3	1-570-857-11 s SWITCH, SLIDE
Х1	1-567-644-11 s 14.31818MHz

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SG-157 BOARD
                                                                             SV-97AP BOARD
Ref. No.
                                                                             Ref. No.
or Q'ty Part No.
                        SP Description
                                                                             or Q'ty Part No.
                                                                                                     SP Description .
       . A-7520-420-A o MOUNTED CIRCUIT BUARD, SG-157A
                                                                                       A-6715-438-A o MUUNTED CIRCUIT BOARD, SV-97AP
                                                                             1pc
                                                                                       3-724-715-01 o PLATE (SV-97), ORNAMENTAL
3-724-753-01 o RING
                                                                             1pc
          1-163-099-00 s CERANIC CHIP 18PF 5% 50V
                                                                             1pc
                                                                                       3-729-061-01 s SCREW (M2X4.5) (TYPE 1)
                                                                             5pcs
                                                                                       7-688-001-12 s W 2. MIDDLE
CNI
          1-565-151-11 o CONNECTOR, 4P. MALE
                                                                             1pc
          1-568-622-11 o CONNECTOR, MALE, 2P
CN2
                                                                                       1-163-037-11 s CERAMIC CHIP 0, 022uF 10% 25%
CN3
          1-568-622-11 o CONNECTOR, MALE, 2P
                                                                             C4
                                                                             CS.
                                                                                       1-162-638-11 s CERAMIC CHIP 1 16V
                                                                             C20
                                                                                       1-163-075-00 s CERAMIC CHIP 0.047uF 50V
1-163-075-00 s CERAMIC CHIP 0.047uF 50V
1-163-075-00 s CERAMIC CHIP 0.047uF 50V
1022
          8-759-100-94 s IC UPC358G2
          8-759-009-07 s IC MC14053BF
                                                                             C23
IC23
          8-759-902-88 s 1C SN74LS123NS
1C24
924
          8-729-100-66 s TRANSISTOR 2SC1623
                                                                                       1-163-037-11 s CERAMIC CHIP 0.022uF 10% 25V
                                                                             C28
C29
                                                                                       1-163-075-00 s CERAMIC CHIP 0. 047uF 50V
                                                                                       1-163-075-00 s CERAMIC CHIP 0.047uF 50V
R122
          1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
          1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
                                                                                       1-164-004-11 s CERAMIC CHIP 0.1uF 10% 25V
R123
                                                                                       1-163-095-00 s CERAMIC CHIP 12PF 5% 50V
                                                                             C73
R124
          1-216-675-11 s METAL CHIP 10K 0 50% 1/10M
R125
          1-216-674-11 s METAL CHIP 9.1K 0.50% 1/10W
                                                                             C74
R126
                                                                                       1-163-095-00 s CERANIC CHIP 12PF 5% 50V
                                                                                       1-164-004-11's CERAMIC CHIP 0, 1uF 10% 25V
                                                                             C82
          1-216-658-11 s METAL CHIP 2K 0,50% 1/10W
1-216-633-11 s METAL CHIP 3,3K 0,50% 1/10W
                                                                             €91
                                                                                       1-126-629-11 s ELECT 27uF 20% 25V
R127
                                                                                       1-126-392-11 s ELECT 100uF 20% 6.3V
1-126-390-11 s ELECT 22uF 20% 6.3V
                                                                             C95
R128
          1-216-627-11 s METAL CNIF 100 0.50% 1/10W
1-216-651-11 s METAL CNIP 1K 0.50% 1/10W
R129
R130
          1-216-651-11 s METAL CHIP 1K 0.50% 1/10M
                                                                             C101
                                                                                       1-163-075-00 s CERAMIC CHIP 0.047uF 50V
RE31
                                                                                       1-126-630-11 s ELECT 824F 20% 25V
                                                                                       1-124-943-11 s ELECT 39uF 20% 25V
R132
          1-216-685-11 s METAL CHIP 27K 0.50% 1/10W 1-216-659-11 s METAL CHIP 2,2K 0.50% 1/10W
                                                                                       1-163-012-00 s CERAMIC CHIP 0, 0018uF 10% 50V
1-163-809-11 s CERAMIC CHIP 0, 047uF 5% 25V
R133
                                                                             C106
R134
          1-216-675-11 s METAL CHIP 10X 0.50% 1/10W
1-216-685-11 s METAL CHIP 27X 0.50% 1/10W
                                                                             C131
8135
R136
          1-216-627-11 s METAL CHIP 100 0.50% 1/10W
                                                                             0135
                                                                                       1-124-943-11 s PLECT 39uF 20% 25V
                                                                                       1-163-012-00 s CBRAMIC CHIP 0, 0018uP 10% 50V
                                                                             €136
848
          1-237-037-11 s RES, ADJ, METAL 20K
                                                                                       1-566-960-11 o CONNECTOR, 50P, MALE
1-566-397-21 o CONNECTOR, 14P, MALE
                                                                             CN1
$4
          1-553-510-00 s SWITCH, SLIDE
                                                                             CV2
                                                                                       8-719-800-76 s BIODE 188226
8-719-800-76 s BIODE 188226
                                                                             ñ1
                                                                             113
                                                                                       8-719-800-76 s 0100E 1SS226
                                                                                       8-719-800-76 s DIODE 188226
                                                                              \Pi A
                                                                              115
                                                                                       8-719-123-85 s DIODE 1SS304
SR-40 BOARD
                                                                                       8-719-981-01 s DIODB ERA81-004
Ref. No.
                                                                                       8-719-981-01 s DIODE ERAS1-004
                                                                              118
or Q'ty Part No. SP Description
                                                                             IC1
                                                                                       8-752-814-54 s IC CXP80116-6490
          A-6754-072-A o MOUNTED CIRCUIT BOARD, SR-40
                                                                             IC2
                                                                                       8-759-100-96 s IC UPC4558G2
                                                                             103
                                                                                       8-759-981-65 s IC LM2903N
PD1
          8-719-948-58 s PHOTO SENSOR GP2SO78
                                                                                       8-759-100-96 s IC UPC4558G2
                                                                             ICA
PD2
          8-719-948-58 s PHOTO SENSOR GP2SO7B
                                                                                       8-759-100-96 s IC UPC4558G2
PD3
          8-719-948-58 s PHOTO SENSOR GP2SO7B
          8-719-948-58 s PHOTO SENSOR GP2SD7B
PB4
                                                                                       8-759-100-94 s IC UPC35862
                                                                             108
                                                                                       8-759-981-65 s IC LM2903M
91
          8-729-100-67 s TRANSISTOR 2SC1623-L7
                                                                                       8-759-009-07 s IC MC14053BF
                                                                             109
          8-729-100-67 s TRANSISTOR 25C1623-L7
02
                                                                             IC10
                                                                                       8-759-009-11 s IC MC14070BF
          8-729-100-67 s TRANSISTOR 2SC1623-L7
03
                                                                                       8-759-008-82 s IC MC14013BF
                                                                             IC11
          8-729-100-67 s TRANSISTOR 2SC1623-L7
                                                                              IC12
                                                                                       8-759-009-51 s IC MC14538BF
8-759-009-07 s IC MC14053BF
                                                                             IC14
                                                                                        8-759-981-65 s IC LM2903M
                                                                             1016
                                                                                        8-759-100-94 s IC EPC35862
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8-759-981-65 s IC LM2903M

(SV-97AP	BOARD)	(SV-97A)	P BOARD)	
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Descript	ion
IC18 IC19 IC22	8-759-100-94 s IC UPC35862 8-759-981-65 s IC LM2903W 8-759-209-69 s IC TC4S1LF	R45 R46 R48 R50	1-216-833-11 s METAL CH 1-216-841-11 s METAL CH 1-216-833-11 s METAL CH 1-216-864-11 s METAL CH	HP 47K 5% 1/16W HP 10K 5% 1/16W HP 0-0HM
L1 L2 L4 L5 L6	1-424-055-11 s COIL, CHOKE 500wH 1-424-055-11 s COIL, CHOKE 500wH 1-408-789-21 s INDUCTOR, CHIP 100wH 1-408-789-21 s INDUCTOR, CHIP 100wH 1-421-801-11 s COIL, CHOKE 60wH	R51 R52 R53 R54	1-216-845-11 s METAL CH 1-216-851-11 s METAL CH 1-216-825-11 s METAL CH 1-216-837-11 s METAL CH	HP 330K 5% 1/16W HP 2, 2K 5% 1/16W HP 22K 5% 1/16W
01 02 03 04 05	8-729-117-32 s TRANSISTUR 25C4177-L6 8-729-209-07 s TRANSISTUR 25C42138 8-729-209-01 s TRANSISTUR 25R907 8-729-117-16 s TRANSISTUR 25R907 8-729-117-16 s TRANSISTUR 25R1611-M6 8-729-807-05 s TRANSISTUR 25R1623	R55 R56 R57 R58 R59	1-216-837-11 s METAL CH 1-216-857-11 s METAL CH 1-216-833-11 s METAL CH 1-216-849-11 s METAL CH 1-216-845-11 s METAL CH	HP 1M 5% 1/16M HP 10K 5% 1/16W HP 220K 5% 1/16W HP 100K 5% 1/16W
06 07 08	8-729-209-01 s TRANSISTOR 2SB907 8-729-117-16 s TRANSISTOR 2SA1611-M6 8-729-807-50 s TRANSISTOR 2SD1623	R60 R61 R62	1-216-847-11 s METAL CH 1-216-837-11 s METAL CH 1-216-857-11 s METAL CH	HP 22K 5% 1/16W
09 010 R1	8-729-901-46 s TRANSISTOR DTAIL4TK 8-729-905-18 s TRANSISTOR DTC144EU 1-216-833-11 s METAL CNIP 10K 5% 1/16W	R63 R64 R65 R66	1-216-829-11 s METAL CF 1-216-686-11 s METAL CF 1-216-667-11 s METAL CF 1-216-649-11 s METAL CF	HP 4,7K 5% 1/16W HP 30K 0,50% 1/10W HP 4,7K 0,50% 1/10W
R2 R3 R4 R5	1-216-825-11 s METAL CHIP 4.78 5% 1/16W 1-216-825-11 s METAL CHIP 2.2K 5% 1/16W 1-216-825-11 s METAL CHIP 2.2K 5% 1/16W 1-216-837-11 s METAL CHIP 2.2K 5% 1/16W	R67 R68 R69 R70	1-216-846-11 s METAL CH 1-216-675-11 s METAL CH 1-216-854-11 s METAL CH 1-216-837-11 s METAL CH	HP 120K S% 1/16W HP 10K 0.50% 1/10W HP 560K 5% 1/16W
R6 R7 R8 R9	1-216-845-11 s METAL CHIP 100K 5% 1/16W 1-216-825-11 s METAL CHIP 2.2K 5% 1/16W 1-216-829-11 s METAL CHIP 4.7K 5% 1/16W 1-216-857-11 s METAL CHIP 1M 5% 1/16W	R71 R72 R74 R75	1-216-849-11 s METAL CH 1-216-821-11 s METAL CH 1-216-823-11 s METAL CH 1-216-830-11 s METAL CH	HP 220K 5% 1/16W HP 1K 5% 1/16M HP 10K 5% 1/16W
R10 R11 R12 R13	1-216-833-11 s METAL CHIP 10W 5% 1/16W  1-216-837-11 s METAL CHIP 22W 5% 1/16W  1-216-845-11 s METAL CHIP 22W 5% 1/16W  1-216-825-11 s METAL CHIP 2, 2% 5% 1/16W	R81 R82 R83	1-216-849-11 s METAL CF 1-216-835-11 s METAL CF 1-216-821-11 s METAL CF	ITP 220K 5% 1/16W ITP 15K 5% 1/16W
R14 R15 R16	1-216-841-11 s METAL CHIP 47X 5X 1/16W 1-216-853-11 s METAL CHIP 470K 5X 1/16W 1-216-833-11 s METAL CHIP 10K 5X 1/16W	R84 R85 R87 R88	1-216-821-11 s METAL CH 1-216-825-11 s METAL CH 1-216-849-11 s METAL CH 1-216-821-11 s METAL CH	IIP 1K 5% 1/16N IIP 2, 2K 5% 1/16W IIP 220K 5% 1/16W
R17 R21 R22 R23	1-216-843-11 s METAL CHIP 220K SM 1/16W 1-216-845-11 s METAL CHIP 100K SM 1/16W 1-216-851-11 s METAL CHIP 330K SM 1/16W 1-216-825-11 s METAL CHIP 2.2K SM 1/16W	R89 R90 R91 R92	1-216-841-11 s METAL CH 1-216-841-11 s METAL CH 1-216-853-11 s METAL CH 1-216-829-11 s METAL CH	IIP 47K 5% 1/16W IIP 470K 5% 1/16W IIP 4.7K 5% 1/16W
R24 R29 R30 R31 R32	1-216-255-11 s MGTAL CHIP 2 2K 5% 1/16W 1-216-327-11 s MGTAL CHIP 22K 5% 1/16W 1-216-225-11 s MGTAL CHIP 2 2K 5% 1/16W 1-216-325-11 s MGTAL CHIP 10K 5% 1/16W 1-216-383-11 s MGTAL CHIP 470K 5% 1/16W	R93 R101 R102 R103 R104	1-216-830-11 s METAL CH 1-216-853-11 s METAL CH 1-216-699-11 s METAL CH 1-216-699-11 s METAL CH 1-216-845-11 s METAL CH	HP 470K 5% 1/16W HP 100K 0.50% 1/10W HP 100K 0.50% 1/10W
R33 R34 R35 R36	1-216-821-11 s METAL CHIP 1K 5% 1/16W 1-216-841-11 s METAL CHIP 47K 5% 1/16W 1-216-841-11 s METAL CHIP 47K 5% 1/16W 1-216-841-11 s METAL CHIP 47K 5% 1/16W	R105 R106 R107	1-216-840-11 s METAL CE 1-216-840-11 s METAL CE 1-216-830-11 s METAL CE	HP 22K 5% 1/16W
R37 R38 R39	1-216-825-11 s METAL CHIP 2.2K 5% 1/16W 1-216-831-11 s METAL CHIP 6.8K 5% 1/16W 1-216-841-11 s METAL CHIP 47K 5% 1/16W	R108 R109 R110	1-216-823-11 s METAL CE 1-216-822-11 s METAL CE 1-216-843-11 s METAL CE	HP 1.5K 5% 1/16W HP 1.2K 5% 1/16W
R40 R43 R44	1-216-855-11 s METAL CHIP 2 2K 5% 1/16W 1-216-833-11 s METAL CHIP 10K 5% 1/16W 1-216-857-11 s METAL CHIP 1M 5% 1/16W	R111 R112 R113 R114 R115	1-216-836-11 s METAL CH 1-216-825-11 s METAL CH 1-216-832-11 s METAL CH 1-216-825-11 s METAL CH 1-216-839-11 s METAL CH	HP 2,2K 5% 1/16W HP 8,2K 5% 1/16W HP 2,2K 5% 1/16W

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(SV-97AP BOARD)
                                                                                    (SV-97AP BOARD)
Ref. No.
                                                                                    Ref No
or Q'ty Part No.
                       SP Description
                                                                                   or Q'ty Part No.
                                                                                                           SP Rescription
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                               1-216-841-11 s METAL CHIP 47K 5% 1/16M
1-216-841-11 s METAL CHIP 47K 5% 1/16M
                                                                                   R185
           1-216-853-11 s METAL CHIP 470K 5% 1/16M
R121
                                                                                   R186
           1-216-853-11 s METAL CHIP 470K 5% 1/16W
                                                                                               1-216-841-11 s METAL CHIP 47K 5% 1/16W
                                                                                   R187
            1-216-854-11 s METAL CHIP 560K 5% 1/16W
                                                                                               1-216-841-11 s MBTAL CHIP 47K 5% 1/16W
R123
                                                                                    R188
           1-216-829-11 s METAL CHIP 4.7K 5% 1/16W
                                                                                               1-216-841-11 s METAL CHIP 47K 5% 1/16M
R124
                                                                                    R189
R125
           1-216-841-11 s METAL CHIP 47K 5% 1/16W
                                                                                    #19D
                                                                                               1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
           1-216-841-11 s METAL CHIP 47K 5% 1/16M
R131
                                                                                    R191
           1-216-699-11 s METAL CHIP 100K 0.50% L/10W
R132
                                                                                    R192
                                                                                               1-216-821-11 s METAL CHIP 1K 5% 1/16W
           1-216-699-11 s METAL CHIP 100K 0.50% 1/10W
1-216-841-11 s METAL CHIP 47K 5% 1/16W
                                                                                               1-216-821-11 s METAL CHIP IX 5% 1/16M
1-216-821-11 s METAL CHIP IX 5% 1/16M
R133
                                                                                    8193
R134
                                                                                    8194
P135
            1-216-837-11 s METAL CHIP 22K 5% 1/16W
                                                                                               1-216-821-11 s METAL CHIP 1K 5% 1/16M
                                                                                    R195
            1-216-840-11 s METAL CHIP 39K 5% 1/16W
R136
                                                                                    R196
                                                                                               1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
            1-216-830-11 s METAL CHIP 5.6K 5% 1/16W
R137
                                                                                    R197
           1-216-823-11 s METAL CHIP 1, 5K 5% 1/16M
1-216-822-11 s METAL CHIP 1, 2K 5% 1/16M
R138
                                                                                               1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                    R198
R139
                                                                                    R199
                                                                                               1-216-821-11 s METAL CHIP 1K 5% 1/16W
            1-216-843-11 s METAL CHIP 68K 5% 1/16W
1-216-836-11 s METAL CHIP 18K 5% 1/16W
                                                                                               1-216-827-11 s METAL CHIP 3.3K 5% 1/16W
R140
                                                                                    R301
R141
                                                                                   R302
                                                                                               1-216-827-11 s METAL CHIP 3, 3K 5% 1/16W
            1-216-825-11 s METAL CHIP 2.2K 5% 1/16M
R142
R143
            1-216-832-11 s MBTAL CHIP 8.2% 5% 1/16W
                                                                                               1-230-871-11 s RES, ADJ, METAL 22K
            1-216-825-11 s METAL CHIP 2.2K 5% 1/16W
                                                                                               1-230-871-11 s RES, ADJ, METAL 22K
                                                                                    RV2
                                                                                    RV3
                                                                                               1-230-875-21 s RES, ABJ, METAL 220K
1-230-875-21 s RES, ADJ, METAL 220K
            1-216-839-11 s METAL CHIP 33K 5% 1/16W
R145
                                                                                    RVA
            1-216-845-11 s METAL CHIP 100K 5% 1/16W
1-216-845-11 s METAL CHIP 100K 5% 1/16W
R146
                                                                                    895
                                                                                               1-230-875-21 s RES, ADJ, METAL 220K
R151
            1-216-864-11 s METAL CHIP 0-DHM
R152
                                                                                    BAR
                                                                                               1-230-873-11 s RES, ADJ, METAL 47K
            1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                    RV7
                                                                                               1-230-875-21 s RES, ADJ, METAL 220K
            1-216-829-11 s METAL CHIP 4.7K 5% 1/16M
                                                                                    XI
                                                                                              1-577-076-11 s 16,000MHz
            1-216-821-11 s METAL CHIP 1K 5% 1/16W
R155
R156
            1-216-841-11 s METAL CHIP 47K 5% 1/16W
R157
            1-216-849-11 s METAL CHIP 220K 5% 1/16W
            1-216-821-11 s METAL CHIP 1K 5% 1/16W
2158
                                                                                    SW-220 BOARD
            1-216-849-11 s METAL CHIP 220K 5% 1/16W
R159
                                                                                    Ref. No.
            1-216-821-11 s METAL CHIF 1K 5% 1/16W
R160
                                                                                    or Q'ty Part No.
                                                                                                           SP Rescription
            1-216-849-11 s M57AL CHIP 220K 5% 1/16W
1-216-821-11 s M57AL CHIP 1K 5% 1/16W
1-216-849-11 s M57AL CHIP 220K 5% 1/16W
8161
R162
                                                                                  1nc
                                                                                              A-7520-307-A o MOUNTED CIRCUIT BOARD, SW-220
R163
                                                                                    CN2
                                                                                             1-506-475-11 o CONNECTOR, 10P, MALE
8164
            1-216-821-11 s METAL CHIP 1K 5% 1/16M
1-216-849-11 s METAL CHIP 220K 5% 1/16M
R165
                                                                                    n1
                                                                                              8-719-911-19 s DIODE 188119
           1-216-821-11 s METAL CHIP 220K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
R166
                                                                                    D2 .
                                                                                               8-719-911-19 s DIODE ISS119
R167
R168
                                                                                               1-554-355-00 s SWITCH, TOGGLE
                                                                                    $2
                                                                                               1-554-400-00 s SWITCH, TOGGLE
R169
            1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                               1-554-400-00 s SMITCH, TOGGLE
1-554-356-00 s SMITCH, TOGGLE
                                                                                    $3
           1-216-821-11 s METAL CHIP 1X 5% 1/16W
1-216-821-11 s METAL CHIP 120K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-849-11 s METAL CHIP 220K 5% 1/16W
R170
                                                                                    $4
R171
                                                                                               I-553-856-00 s SMITCH, PUSH
R173
R174
            1-216-821-11 s WETAL CHIP 1K 5% 1/16W
                                                                                    SM-260A BOARD
            1-216-849-11 s METAL CHIP 220K 5% 1/16W
R175
            1-216-817-11 s METAL CHIP 470 5% 1/16W
                                                                                    Ref. No.
R176
            1-216-864-11 s METAL CHIP 0-0HM
1-216-849-11 s MBTAL CHIP 220K 5% 1/16W
R177
                                                                                    or Q'ty Part No.
                                                                                                              SP Description
R178
                                                                                    2pcs 1-625 088-12 o PRINTED CIRCUIT BOARD, SW-260A
            1-216-841-11 s METAL CHIP 47K 5% 1/16W
1-216-841-11 s METAL CHIP 47K 5% 1/16W
1-216-841-11 s METAL CHIP 47K 5% 1/16W
R180
 R181
                                                                                    CN2
                                                                                               1-565-149-11 o PIN, CONNECTOR (ANGLE) 2P
            1-216-841-11 s METAL CHIP 47K 5% 1/16W
1-216-841-11 s METAL CHIP 47K 5% 1/16W
 R183
                                                                                    81
                                                                                               8-719-800-76 s DIODE 1SS226
R184
                                                                                               1-570-984-11 s SWITCH, TOGGLE
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1-570-985-11 s SWITCH, TUGGLE 1-570-985-11 s SWITCH, TUGGLE

Ref. No. or Q'ty	Part I	(o.	SP	Description
1pc	1-625	-555-11	0	PRINTED CIRCUIT BOARD, SW-29
CN1	1-506-	-481-11	0	CONNECTOR, 2P. MALE
D1 8	8-719-	-902-27	s	DIUDE_EBR3402S
SW1	1-570-	608-11	s	SWITCH, TOGGLE

u: e cy	ratt no, at p	escription .
1pc	1-629-570-11 o P	RINTED CIRCUIT BOARD, SM-357
CN1 CN2		ONNECTOR, 5P, MALE ONNECTOR, 3P, MALE
R1	1-249-405-11 s C	ARBON 100 5% 1/4W
S1 S2	1-554-395-00 s Si 1-554-396-00 s Si	

1-570-282-21 s SMITCH, KEY BOARD

SP Reportation

Ref. No.

or O'tu

\$3

Part No.

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SY-117C BOARD
Ref. No.
or Q'ty Part No.
                        SP Description
          A-6717-577-A o MOUNTED CIRCUIT BOARD, SY-117CP
1pc
           3-724-714-01 o PLATE (SY-117), ORNAMENTAL
          3-724-753-01 o RING
1pc
5pcs
           3-729-061-01 s SCREW (M2X4, 5) (TYPE 1)
           7-688-001-12 s W 2, MIDDLE
1pc
C4
           1-126-394-11 s ELECT 10uF 20% 16V
           1-126-401-11 s ELECT 10F 20% 50V
06
           1-126-398-11 s BLECT 4.7uF 20% 35V
          1-163-099-00 s CERAMIC CHIP 18PF 5% 50V
1-163-099-00 s CERAMIC CHIP 18PF 5% 50V
C7
08
          1-127-491-00 s ELECT SOLID 200F 20%
1-126-390-11 s ELECT 220F 20% 6,3V
C12
C13
           1-162-995-11 s CERAMIC CHIP 0,022uF 50V
1-162-995-11 s CERAMIC CHIP 0,022uF 50V
C14
015
           1-162-995-11 s CERAMIC CHIP 0.022uF 50V
          1-162-995-11 s CERANIC CHIP 0.0224F 50V
016
           1-162-995-11 s CBRANIC CHIP 0.022uF 50V
C18
           1-162-995-11 s CERAMIC CHIP 0, 022uP 50V
CNI
           1-566-960-11 o CONNECTOR, 50P, MALE
CNO
           1-566-388-11 s CONNECTOR, 2P, MALE
           8-719-123-85 s DIODE 1SS304
Dī
101
           8-752-815-64 s IC CXP80116-6680
           8-759-009-51 s IC MC14538BF
IC3
          8-759-940-45 s IC S-8054KN-CB
8-759-925-80 s IC SN74HC14NS
8-759-201-61 s IC TC40H004F
104
IC5
108
107
           8-759-927-46 s IC SN74HC00NS
Q1
           8-729-905-18 s TRANSISTOR DTC1446U
02
           8-729-905-12 s TRANSISTOR DTA1448U
           8-729-907-00 s TRANSISTOR DTC114EU
Q3
           8-729-907-00 s TRANSISTOR DTC1146U
04
QŚ.
           8-729-907-00 s TRANSISTOR DICILIAN
06
           8-729-905-18 s TRANSISTOR DTC14480
97
           8-729-905-18 s TRANSISTOR DTC144EU
Q8
           8-729-117-32 s TRANSISTOR 2SC4177-L6
q9
           8-729-907-00 s TRANSISTOR DTC114EU
R1
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
22
           1-216-821-11 s WETAL CHIP 1K 5% 1/16W
83
           1-216-821-11 s METAL CHIP 1K 5% 1/16M
1-216-821-11 s METAL CHIP 1K 5% 1/16M
84
85
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
86
R7
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
22
           1-216-841-11 s METAL CHIP 47K 5% 1/16W
           1-216-841-11 s MBTAL CHIP 47K 5% 1/16W
20
810
           1-218-845-11 s MBTAL CHIP 100K 5% 1/16W
211
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
R12
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
          1-216-821-11 s METAL CHIP 1X 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
R13
R14
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
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(SY-117C BOARD)
(SY-117C BOARD)
Ref. No.
                                                                                     Ref. No.
or Q'ty Part No
                           SP Description
                                                                                     or Q'ty Part No.
                                                                                                                SP Description
           1-216-821-11 s METAL CHIP 1K 5% 1/16W 1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                                 1-216-841-11 s METAL CHIP 47K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
816
                                                                                     223
R17
                                                                                     R84
           1-216-864-11 s METAL CHIP D-0HM
                                                                                                 1-216-841-11 s METAL CHIP 47K 5% 1/16W
R18
                                                                                     R85
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     226
                                                                                                 1-216-821-11 s METAL CHIP 1K 5% 1/16W
R30
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                     227
                                                                                                 1-216-845-11 s METAL CHIP 100K 5% 1/16W
R31
                                                                                                 1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-813-11 s METAL CHIP 220 5% 1/16W
1-216-841-11 s METAL CHIP 47K 5% 1/16W
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     988
R32
           1-216-821-11 s METAL CUIP 1K 5% 1/16W
1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     R89
R33
                                                                                     R90
R34
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                     R91
                                                                                                 1-216-841-11 s METAL CHIP 47K 5% 1/16W
                                                                                     R92
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                                 1-216-813-11 s METAL CHIP 220 5% 1/16W
836
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                     R93
                                                                                                 1-216-813-11 s METAL CHIP 220 5% 1/16W
R37
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                                 1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     R94
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                                 1-216-821-11 s MBTAL CHIP 1K 5% 1/16W
1-216-845-11 s MBTAL CHIP 100K 5% 1/16W
838
                                                                                      R95
R39
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                      P96
RAD
           1-216-821-11 s METAL CHIP IK 5% 1/16W
                                                                                     R97
                                                                                                 1-216-841-11 s METAL CRIP 47K 5% 1/16W
843
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                      898
                                                                                                 1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-849-11 s METAL CHIP 220K 5% 1/16W
R44
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                     R100
R45
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     R102
                                                                                                 1-216-833-11 s METAL CHIP 10K 5% 1/16W
1-216-819-11 s METAL CHIP 680 5% 1/16W
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
R46
                                                                                      R103
           1-216-849-11 s METAL CHIP 220K 5% 1/16W
R47
                                                                                      R104
                                                                                                 1-216-821-11 s METAL CHIP 1K 5% 1/16W
248
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                      R105
                                                                                                 1-216-845-11 s METAL CHIP 100K 5% 1/16W
           1-216-849-11 s MBTAL CHIP 220K 5% L/16W
1-216-821-11 s MBTAL CHIP IN 5% 1/16W
1-218-303-11 s MBTAL CHIP IOX 1% 1/16W
849
                                                                                                 1-216-837-11 s MBTAL CHIP 22K 5% 1/16W
                                                                                      R106
R50
                                                                                                 1-216-821-11 s METAL CHIP 1K 5% 1/16W
                                                                                     R107
251
                                                                                      R201
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
852
           1-218-306-11 s MBTAL CHIP LOOK 1% L/16W
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                     R203
253
           1-216-845-11 s METAL CHIP 100K 5% L/16W
                                                                                     R205
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
R54
           1-216-833-11 s METAL CHIP 10X 5% 1/16W
                                                                                     R207
R55
           1-216-841-11 s METAL CHIP 47X 5% 1/16W
1-216-813-11 s METAL CHIP 220 5% 1/16W
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                     R211
R56
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
1-216-864-11 s METAL CHIP 0-0HM
                                                                                      R213
R57
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     8214
R58
           1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                     R215
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
1-216-849-11 s METAL CHIP 220K 5% 1/16W
R59
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     R217
           1-216-682-11 s METAL CNIP 20K 0.50% 1/10W
1-216-682-11 s METAL CNIP 20K 0.50% 1/10W
1-216-675-11 s METAL CNIP 10K 0.50% 1/10W
R60
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                     R219
R61
                                                                                     R221
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% L/16W
R62
                                                                                     R223
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
R63
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
                                                                                     R225
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W 1-216-821-11 s METAL CHIP 1K 5% 1/16W
           1-216-845-11 s METAL CHIP 100K 5% 1/16H
R64
                                                                                     R226
           1-216-821-11 s METAL CHIP IN 5% 1/16W
865
                                                                                                 1-216-849-11 s METAL CHIP 220K 5% 1/16W
                                                                                     R227
           1-216-845-11 s MGTAL CHIP 100K 5% 1/16W
1-216-833-11 s MGTAL CHIP 10K 5% 1/16W
R66
967
                                                                                                 1-570-374-12 s SWITCH, SLIBE
868
           1-216-821-11 s MSTAL CHIP 1K 5% 1/16W 1-216-845-11 s MSTAL CHIP 100K 5% 1/16W
                                                                                                 1-567-962-11 s VIBRATOR, CRYSTAL
                                                                                     ¥1
869
R70
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
           1-216-821-11 s MBTAL CHIP 1K 5% 1/16W
1-216-845-11 s METAL CHIP 100K 5% 1/16H
R71
P72
R73
           1-216-833-11 s METAL CHIP 10K 5% 1/16W 1-216-845-11 s METAL CHIP 100K 5% 1/16W
R74
           1-216-837-11 s METAL CHIP 22K 5% 1/16W
R75
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
R76
877
P72
           1-216-845-11 s METAL CHIP 100K 5% 1/16W
1-216-845-11 s METAL CHIP 100K 5% 1/16W
R79
           1-216-821-11 s METAL CHIP 1K 5% 1/16W
R80
R81
           1-216-841-11 s METAL CHIP 47K 5% 1/16W
1-216-821-11 s METAL CHIP 1K 5% 1/16W
R82
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TE-ARAD READS
TB-5 BOARD
Ref. No.
                                                                                or Q' ty Part No.
or Q'ty Part No.
                         SP Description
                                                                                                         SP Rescription
           A-6725-604-A o MOUNTED CIRCUIT BOARD TB-5
                                                                                           A-6713-372-A o MOUNTED CIRCUIT BOARD, TC-48AP
1nc
                                                                                1nc
                                                                                           3-676-088-00 o SHAFT, KNOB
          3-729-013-41 s SCREW (M1, 4X3, 5), MASHERNEAD (+P)
lpc.
                                                                                2pcs
                                                                                           3-701-748-00 o CLAMP
                                                                                1pc
                                                                                           7-627-552-37 s SCREW, PRECISION +P 1 7X3
          1-163-011-11 s CRRAMIC CHUP 0 00150F 10% 50V
                                                                                2ncs
           1-135-157-21 s TANTALUM CHIP 10uF 10% 6.3V
L3
          1-163-011-11 s CERANIC CHIP 0.00150F 10% 50V
                                                                                           1-528-292-11 o BATTERY, SUPER LITETUM
CH
                                                                                RTS
          1-135-157-21 s TANTALUM CHIP 10 F 10% 6.3V
1-163-139-00 s CERAWIC CHIP 820PF 5% 50V
C13
                                                                                           1-163-037-11 s CBRAMIC CHIP 0.022uF 10% 25V 1-126-392-11 s ELECT 100uF 20% 6.3V
                                                                                C3
                                                                                           1-126-392-11 s ELECT 100oF 20% 6.3V
045
           1-126-394-11 s ELECT 10nF 20% 16V
                                                                                CA.
          1-126-394-11 s ELECT 10uF 20% 16V
1-126-394-11 s ELECT 10uF 20% 16V
                                                                                           1-126-412-11 s ELECT 220uF 20% 4V
C46
                                                                                63
                                                                                           1-126-402-11 s ELECT 2 2uF 20% 50V
                                                                                           1~163-037-11 s CERAMIC CRIP 0.022uF 10% 25V
1-126-403-11 s BLECT 3.3uF 20% 50V
CN1
          1-506-730-11 o CONNECTOR, 40P, MALE
          1-566-526-11 s CONNECTOR, FPC (ZIF) 10P
1-565-339-11 s CONNECTOR, 10P, FEMALE
CN2
                                                                                C103
                                                                                C104
                                                                                           1-126-405-11 s BLBCT 10uF 20% 50V
1-126-405-11 s BLBCT 10uF 20% 50V
CN3
           1-566-521-11 s CONNECTOR, FPC (ZIF) 5P
                                                                                C105
CNS
          1-506-471-11 o CONNECTOR, GP. WALE
                                                                                C112
                                                                                           1-135-157-21 s TANTALUM CHIP 10uF 10X 6 3V
CNG
          1-565-340-11 s CONNECTOR, GP. PENALE
                                                                                C115
                                                                                           1-135-157-21 s TANTALUM CHIP 10uP 10% 6.3V
CN7
                                                                                C203
                                                                                           1-126-403-11 s ELECT 3. 3uF 20% 50V
                                                                                           1-126-405-11 s ELECT 10uP 20% 50V
1-126-405-11 s ELECT 10uP 20% 50V
1-126-405-11 s ELECT 10uF 20% 50V
B21
           8-719-123-85 s BIODE ISS304
                                                                                C204
D51
          8-719-106-88 s BLODE RD15M-B1
                                                                                C205
                                                                                C212
                                                                                           1-135-157-21 s TANTALUM CHIP 10eF 10% 6.3V
FR1
          1-543-309-12 s BEAD, FERRITE
                                                                                           1-135-157-21 s TANTALUM CHIP 10uF 10% 6.3V
          1-543-309-12 s BEAD, FERRITE
                                                                                C215
F82
                                                                                           1-135-157-21 S TANTALUM CHIP 100F II
1-135-180-21 S TANTAL 3.3uF 10% 10V
1-135-180-21 S TANTAL 3.3uF 10% 10V
1-135-180-21 S TANTAL 3.3uF 10% 10V
                                                                                C304
                                                                                C307
ici
           8-759-111-56 s 1C UPC457262
          8-759-906-53 s IC TL062CPS
IC2
                                                                                C404
                                                                                           1-135-180-21 s TANTAL 3. 3uF 10% 10V
          8-759-209-15 s 1C TC4SU69F
                                                                                C407
1021
1022
           8-759-009-07 s 1C MC14053BF
           8-759-111-56 s 1C UPC457262
                                                                                C520
                                                                                           1-125-447-11 s DOUBLE LAYERS 1FARAD 5.5V
1C23
                                                                                           1-163-095-00 s CERAMIC CHIP 12PF 5% 50V
1-163-095-00 s CERAMIC CHIP 12PF 5% 50V
                                                                                C530
                                                                                C531
C566
921
           8-729-209-07 s TRANSISTOR 2SC4213B
922
          8-729-117-32 s TRANSISTOR 28C4177-L6
                                                                                           1-126-392-11 s ELECT 100uF 20% 6, 3V
1-124-471-00 s ELECT 1000uF 20% 6, 3V
                                                                                C567
          8-729-117-16 s TRANSISTOR 2SA1611-M6
023
051
           8-729-106-68 s TRANSISTOR 2SD1615A-GP
052
          8-729-109-44 s TRANSISTOR 2SK94
                                                                                           1-127-485-00 s ELECT (SOLID) 33uF 20% 6.3V
RV1
          1-228-475-00 s RES, ADJ, METAL 20K
                                                                                CN1
                                                                                           1-566-528-21 s CONNECTOR, FPC (ZIF) 12P
          1-228-475-00 s RES, ADJ, METAL 20K
1-228-475-00 s RES, ADJ, METAL 20K
RV2
                                                                                CN2
                                                                                           1-566-536-11 s CONNECTOR, PPC (ZIP) 20P
                                                                                           1-566-536-11 s CONNECTOR, FPC (ZIF) 20P
                                                                                CN3
RV11
                                                                                           1-506-485-11 o CONNECTOR, 6P, MALE
8912
           1-228-475-00 s RES, ADJ, METAL 20K
                                                                                CN10
                                                                                CNII
                                                                                           1-506-481-11 o CONNECTOR, 2P. MALE
                                                                                0101
                                                                                           8-719-800-76 s DIODE 1SS226
                                                                                2102
                                                                                           8-719-800-76 s DIODE 188226
                                                                                           8-719-941-23 s DIODE DA204U
                                                                                0103
                                                                                B104
                                                                                           8-719-123-85 s DIODE 155304
                                                                                           8-719-800-76 s DLODE 1SS226
                                                                                B201
                                                                                0202
                                                                                           8-719-800-76 s DIBDE 1SS226
                                                                                B203
                                                                                           8-719-941-23 s DIODE DA2040
                                                                                0301
                                                                                           8-719-941-23 s DIODE DA2040
8-719-941-23 s DIODE DA2040
                                                                                0401
                                                                                0508
                                                                                           8-719-938-72 s DIGDE SB01-05CP
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0511

0514

0515

0522

D523

8-719-941-86 s DIODE DAN202U

8-719-941-86 s DIODE DAN202U

8-719-941-86 s DIODE DAN202U 8-719-902-27 s DIODE EBR3402S

8-719-941-86 s DIGDE DAN202U

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q ty	Part No. SP Description
0524 0525 0526 0527 0528	8-719-938-72 s D100E S801-05CP 8-719-938-72 s D100E S801-05CP 8-719-123-85 s D100E ISS304 8-719-123-85 s D100E ISS304 8-719-123-85 s D100E ISS304	Q101 Q102 Q103 Q104 Q105	8-729-271-31 s TRANSISTOR 25C27136 8-729-117-32 s TRANSISTOR 25C4177-L6 8-729-905-18 s TRANSISTOR DTC144EU 8-729-117-32 s TRANSISTOR 25C4177-L6 8-729-117-32 s TRANSISTOR 25C4177-L6
0529 0530	8-719-123-85 s B10DE 188304 8-719-938-72 s B10DB 8B01-05CP	Q106 Q107	8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-117-32 s TRANSISTOR 2SC4177-L6
IC1 IC101 IC102	8-759-700-50 s IC NJM386M 8-759-981-54 s IC RC2041MD 8-759-981-54 s IC RC2041MD	9201 9202 9203	8-729-271-31 s TRANSISTOR 2SC2713G 8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-905-18 s TRANSISTOR DTC144EU
IC103 IC201	8-759-908-16 s IC TL072CPS 8-759-981-54 s IC RC2041MD	9204 9205 9206	8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-117-32 s TRANSISTOR 2SC4177-L6
1C202 1C203 1C301	8-759-981-54 s IC RC2041MD 8-759-908-16 s IC TL072CPS 8-759-009-07 s IC MC14053BP	Q207 Q501	8-729-117-32 s TRANSISTOR 2SC4177-L6 8-729-905-18 s TRANSISTOR DTC144EU
10302 10303	8-759-906-53 s IC TL062CPS 8-759-908-16 s IC TL072CPS	9502 9503 9504	8-729-905-18 s TRANSISTOR DTC144BU 8-729-907-00 s TRANSISTOR DTC114BU 8-729-905-18 s TRANSISTOR DTC144BU
10401 10403 10501	8-759-009-07 s IC MC14053BF 8-759-908-16 s IC TL072CPS 8-759-944-79 s IC CXD1132Q	9509 9510	8-729-905-18 s TRANSISTOR DTC1446# 8-729-106-68 s TRANSISTOR 25D1615A-GP
1C502 1C503	8-759-146-73 s IC CXD80424-502 8-752-810-17 s IC CXP80116-6174 8-759-112-06 s IC UPC78NO5H	9511 9512 9701	8-729-117-16 s TRANSISTOR 2SA1611-M6 8-729-905-18 s TRANSISTOR DTC144EU 8-729-905-18 s TRANSISTOR DTC144EU
1C505 1C506 1C507	8-759-980-28 s IC RH5VA3OCA 8-759-008-82 s IC MC14013BF 8-759-009-12 s IC MC14071BF	0702 R1 R3	8-729-117-32 s TRANSISTOR 2SC4177-L6 1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
10508 10509	8-759-009-07 s 1C MC14053BF 8-759-009-02 s 1C MC14046BF	R101 R102	1-216-659-11 s METAL CHIP 2, 2K 0, 50% 1/10M 1-216-659-11 s METAL CHIP 2, 2K 0, 50% 1/10M 1-216-659-11 s METAL CHIP 2, 2K 0, 50% 1/10M
10510 10511 10512 10513	8-759-234-70 s IC TC74HC4049AP 8-759-009-10 s IC HC14069UBF 8-759-008-82 s IC HC14013BF 8-759-009-51 s IC HC14538BF	R103 R104 R105	1-216-659-11 s METAL CHIP 2, 2K 0, 50% 1/10M 1-216-659-11 s METAL CHIP 2, 2K 0, 50% 1/10M 1-216-659-11 s METAL CHIP 2, 2K 0, 50% 1/10M
IC514 IC515	8-759-209-15 s IC TC4SU69F 8-752-330-59 s IC CXXIO11P	R106 R107 R108	1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10M 1-216-631-11 s METAL CHIP 150 0.50% 1/10M 1-216-631-11 s METAL CHIP 150 0.50% 1/10M
IC516 IC517 IC518	1-808-502-11 s LCD MODULE LT4115 8-759-009-12 s IC MC140718F 8-759-939-41 s IC S-81230AG-RB	R110 R111 R112	1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10M 1-216-699-11 s METAL CHIP 100K 0.50% 1/10M 1-216-699-11 s METAL CHIP 100K 0.50% 1/10M
1C519 1C520 1C521	8-759-209-15 s IC TC4SN69F 8-759-209-97 s IC TC4SNF 8-759-209-54 s IC TC4SNF	R113 R114	1-216-638-11 s metal chip 300 0,50% 1/10w 1-216-667-11 s metal chip 4,7K 0,50% 1/10w
10522 10523	8-759-209-94 \$ 10 TC4504P 8-759-209-95 \$ 10 TC45069F 8-759-209-90 \$ 10 TC4571F	R115 R116 R117	1-216-667-11 s METAL CHIP 4.7K 0,50% 1/10M 1-216-667-11 s METAL CHIP 4.7K 0,50% 1/10M 1-216-667-11 s METAL CHIP 4.7K 0,50% 1/10M
10701 10702 10703	8-759-981-69 s IC LM2904M 8-759-908-16 s IC TL072CPS 8-759-939-41 s IC S-81230AG-RB	R118 R119 R120	1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10M 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10M 1-216-665-11 s METAL CHIP 3.9K 0.50% 1/10M
L1 L101 L102 L201	1-410-729-21 s CHIP lmH 1-410-704-21 s CHIP 8, 2uH 1-410-704-21 s CHIP 8, 2uH 1-410-704-21 s CHIP 8, 2uH	R121 R123 R125 R126	1-216-685-11 s METAL CHIP 1. 5K 0.50 K 1/10M 1-216-687-11 s METAL CHIP 4. 7K 0.50 K 1/10M 1-216-643-11 s METAL CHIP 470 0.50% 1/10M 1-216-681-11 s METAL CHIP 18K 0.50% 1/10M
L202 PH1	1-410-704-21 s CHIP 8, 20H 1-808-252-11 s PHOTO COUPLER (N-30)	R128 R129 R130	1-216-675-11 s METAL CHIP 10K 0.50% 1/10W 1-216-682-11 s METAL CHIP 20K 0.50% 1/10W 1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
		R131 R132	1-216-659-11 s.METAL CHIP 2.2K 0.50% 1/10M 1-216-661-11 s.METAL CHIP 2.7K 0.50% 1/10M

(TC-48AP BOARD)

(10 ton beam)				
Ref. No. or Q'ty Part No.	SP Description	Ref. No. or Q'ty	Part No.	SP Description
R135 1-216-643- R136 1-216-675- R137 1-216-667-	11 s NETAL CHIP 10K 0,50% 1/10W 11 s NETAL CHIP 470 0,50% 1/10W 11 s NETAL CHIP 10K 0,50% 1/10W 11 s NETAL CHIP 4,7K 0,50% 1/10W 11 s NETAL CHIP 100 0,50% 1/10W	R507 R515 R521 R523 R542	1-216-675- 1-216-675- 1-216-675-	11 s MBTAL CHIP 10K 0.50% 1/10W -11 s MBTAL CHIP 10K 0.50% 1/10W
R140 1-216-627- R141 1-216-677- R143 1-216-675-	11 s METAL CKIP 20K 0,50% 1/10W 11 s METAL CKIP 100 0,50% 1/10W 11 s METAL CKIP 12K 0,50% 1/10W 11 s METAL CKIP 10K 0,50% 1/10W 11 s METAL CKIP 2,2K 0,50% 1/10W	R543 R605 R611 R612 R617	1-216-675- 1-249-397- 1-249-397-	-11 s METAL CHIP 10K 0,50% 1/10W -11 s METAL CHIP 10K 0,50% 1/10W -11 s CARBON 22 5% 1/4W -11 s CARBON 22 5% 1/4W -11 s METAL CHIP 10K 0.50% 1/10W
R203 1-216-659- R204 1-216-659- R205 1-216-659-	11 s MBTAL CHIP 2.2K 0.50% 1/10M 11 s MBTAL CHIP 2.2K 0.50% 1/10M	R618 R619 R623 R626 R629	1-216-675- 1-216-675- 1-216-675-	11 s METAL CHIP 10K 0.50% 1/10M 11 s METAL CHIP 10K 0.50% 1/10M
R208 1-216-631- R210 1-216-667- R211 1-216-699-	11 s METAL CHIP 150 0,50% 1/10M 11 s METAL CHIP 150 0,50% 1/10M 11 s METAL CHIP 4,7% 0,50% 1/10M 11 s METAL CHIP 100K 0,50% 1/10M 11 s METAL CHIP 100K 0,50% 1/10M	R630 R631 R632 R639 R641	1-216-675- 1-216-667- 1-249-397-	11 s METAL CHIP 10K 0.50% 1/10W 11 s METAL CHIP 10K 0.50% 1/10W 11 s METAL CHIP 4.7K 0.50% 1/10W 11 s METAL CHIP 4.7K 0.50% 1/10W 11 s CARBON 22 5% 1/4W 11 s CARBON 10 5% 1/4W
R214 1-216-667- R215 1-216-667- R216 1-216-667-	11 s METAL CHIP 300 0,50% 1/10W 11 s METAL CHIP 4,7K 0,50% 1/10W	R642 R644 R653 R701 R703	1-216-667- 1-247-895- 1-216-699-	11 s CARBON 10 5% 1/4W 11 s METAL CHIP 4.7K 0,50% 1/10W 00 s CARBON 470K 5% 1/4W 11 s METAL CHIP 100K 0.50% 1/10W 11 s METAL CHIP 100 0,50% 1/10W
R219 1-216-667- R220 1-216-665- R221 1-216-655-	11 s MBTAL CHIP 4,7K 0.50% 1/10M 11 s MBTAL CHIP 4.7K 0.50% 1/10M 11 s MBTAL CHIP 9.7K 0.50% 1/10M 11 s MBTAL CHIP 1,5K 0.50% 1/10M 11 s MBTAL CHIP 4.7K 0.50% 1/10M	R708 R709 R711 R712 R719	1-216-669- 1-216-699- 1-216-681-	11 s METAL CHIP 5.1K 0.50% 1/10% 11 s METAL CHIP 5.6K 0.50% 1/10% 11 s METAL CHIP 100K 0.50% 1/10% 11 s METAL CHIP 10K 0.50% 1/10% 11 s METAL CHIP 10K 0.50% 1/10M 11 s METAL CHIP 10K 0.50% 1/10M
R226 1-216-681- R228 1-216-675- R229 1-216-682-	11 s METAL CRIP 470 0.50% L/10W 11 s METAL CHIP 18K 0.50% L/10W 11 s METAL CRIP 10K 0.50% L/10W 11 s METAL CRIP 20K 0.50% L/10W 11 s METAL CRIP 10K 0.50% L/10W	RV101 RV201 RV301 RV302 RV401	1-230-337- 1-230-871- 1-230-871-	11 s RES, VAR, CARBON 10K 11 s RES, VAR, CARBON 10K 11 s RES, ADJ, METAL 22K 11 s RES, ADJ, METAL 22K 11 s RES, ADJ, METAL 22K
R232 1-216-661- R233 1-216-675-	11 s METAL CHIP 2, 2K 0, 50% 1/10M 11 s METAL CHIP 2, 7K 0, 50% 1/10M 11 s METAL CHIP 10K 0, 50% 1/10W	RV402 RV701 RV702	1-230-874-	11 s RES, ADJ, METAL 22K 11 s RES, ADJ, METAL 100K 11 s RES, ADJ, METAL 4.7K
R236 1-216-675-1 R237 1-216-667-1 R238 1-216-699-1 R239 1-216-682-1	11 s METAL CHIP 470 0.50% 1/10W 11 s METAL CHIP 10K 0.50% 1/10W 11 s METAL CHIP 10UK 0.50% 1/10W 11 s METAL CHIP 10UK 0.50% 1/10W 11 s METAL CHIP 20K 0.50% 1/10W	\$101 \$102 \$103 \$201 \$202	1-570-848- 1-571-275- 1-571-087-	11 s SNITCH, SLIDE 11 s SNITCH, SLIDE 11 s SNITCH, SLIDE 11 s SNITCH, SLIDE 11 s SNITCH, SLIDE
R241 1-216-677- R243 1-216-675- R303 1-216-675-	11 s MBTAL CHIP 100 0.50% 1/10M 11 s MBTAL CHIP 12M 0.50% 1/10M 11 s MBTAL CHIP 10M 0.50% 1/10M 11 s MBTAL CHIP 10M 0.50% 1/10M	\$203 \$501 \$502 \$503	1-570-834- 1-570-834- 1-570-472-	11 s SWITCH, SLIDE 11 s SWITCH, SLIDE 11 s SWITCH, SLIDE 11 s SWITCH, KEY BOARD
R306 1-216-667- R310 1-216-667-	11 s METAL CHIP 4.7K 0.50% 1/10N 11 s METAL CHIP 4.7K 0.50% 1/10N 11 s METAL CHIP 10K 0.50% 1/10N	\$504 · \$505 \$506	1-570-472- 1-570-472-	11 s SWITCH, KBY BOARD 11 s SWITCH, KBY BOARD 11 s SWITCH, KBY BOARD
R406 1-216-667- R410 1-216-667- R413 1-216-675-	11 s METAL CHIP 10K 0.50% 1/10W 11 s METAL CHIP 4.7K 0.50% 1/10W 11 s METAL CHIP 4.7K 0.50% 1/10W 11 s METAL CHIP 10K 0.50% 1/10W 11 s METAL CHIP 10K 0.50% 1/10W	\$508 \$509 \$510	1-570-834- 1-570-866-	11 s SWITCH, SLIDE 11 s SWITCH, SLIDE 11 s SWITCH, SLIDE

# (TC-48AP BOARD)

or Q'ty	Part No. SP Description
S515	1-571-275-11 s snitch, slide 1-570-472-11 s snitch, key board 1-570-880-11 s snitch, slide 1-571-273-11 s snitch, rutary 1-571-273-11 s snitch, rutary
S517	1-571-275-11 s SWITCH, SLIDE
S518	1-571-275-11 s SWITCH, SLIDE
S701	1-570-855-11 s SWITCH, SLIDE
X501	1-567-867-11 s 14.500MHz
X502	1-567-812-11 s CERAMIC 12, 288MHz
X503	1-578-741-11 s OSCILLATOR, CRYSTAL
X504	1-577-076-11 s 16.000MHz

# VA-104 BOARD

VA-104 BOARD				
Ref. No. or G'ty	Part No. SP Description			
1pc	A-7515-147-A o MOUNTED CIRCUIT BOARD, VA-104			
2pcs	1-568-613-11 o CONNECTOR, FEMALE, 2P			
1pc	3-166-513-01 o SHEET (VA), CONDUCTIVE			
1pc	3-166-514-01 o PLATE (VA), SHIELD			
3pcs	3-621-124-00 o SPACER			
1pc	3-724-711-02 o PLATE (VA-62), ORNAMENTAL			
1pc	3-724-753-01 o RING			
5pcs	3-729-061-01 s SCREW (M2X4.5) (TYPE 1)			
2pcs	7-623-952-21 s WASHER 2, 0, FIBER			
1pc	7-688-001-01 s W 2, MICDLE			
1pc	7-688-001-12 s W 2, MIDDLE			
C1	1-135-210-95 s TANTALUM 4.7uF 10% 10V			
C10	1-131-395-00 s TANTALUM 100uF 10% 3.15V			
C12	1-126-320-11 s ELSCT 10uF 20% 16V			
C16	1-163-241-11 s CERAMIC CHIP 39FF 5% 50V			
C21	1-135-177-95 s TANTALUM 1uF 10% 25V			
C24	1-125-210-95 s TANTALUM 4, 7uF 10% 10V			
C33	1-131-395-00 s TANTALUM 100uF 10% 3, 15V			
C35	1-126-320-11 s ELECT 10uF 20% 10V			
C39	1-135-210-11 s TANTALUM 4, 7uF 10% 10V			
C45	1-135-210-11 s TANTALUM 1uF 10% 25V			
C48	1-135-210-95 s TANTALUM 4, 7uF 10% 10V			
C57	1-131-395-00 s TANTALUM 100uF 16% 3, 15V			
C59	1-126-320-11 s ELECT 10uF 20% 16V			
C69	1-135-177-95 s TANTALUM 1uF 10% 25V			
C90	1-163-268-91 s CERAMIC CHIP 510P			
C91	1-163-264-91 s CERAMIC CHIP 360P			
C92	1-163-268-91 s CERAMIC CHIP 510P			
C93	1-135-177-21 s TANTALUM 10F 10% 25V			
C114	1-163-809-11 s CERAMIC CHIP 0.047#F 5% 25V			
CN1	1-566-960-11 o CONNECTOR, 50P, MALE			
CV1	1-141-370-11 s CAP, CHIP TRIMMER 50PF			
CV2	1-141-370-11 s CAP, CHIP TRIMMER 50PF			
CV3	1-141-370-11 s CAP, CHIP TRIMMER 50PF			
D1	8-719-104-22 s DIODE 1SS123			
D2	8-719-800-76 s DIODE 1SS226			
D3	8-719-948-47 s DIODE 1SS226			
D5	8-719-90-76 s DIODE 1SS226			
D6	8-719-948-47 s DIODE 1SS226			
D7	8-719-800-76 s D100E 1SS226			
D9	8-719-800-76 s D100E 1SS226			
D10	8-719-948-47 s D100E HSW88AS			
D14	8-719-948-47 s D100E HSW88AS			
D15	8-719-948-47 s D100E HSW88AS			
B16	8-719-948-47 s DIODE HSM88AS			
D17	8-719-104-31 s DIODE 182838			
DL1	1-415-754-11 s DELAY LINE			
FL1	1-409-427-11 s FILTER, TRAP 14.3MHz			
FL2	1-409-427-11 s FILTER, TRAP 14.3MHz			
FL3	1-409-427-11 s FILTER, TRAP 14.3MHz			

(VA-104	BOARD)

# (VA-104 BOARD)

(1N-104	DONKDY	(44.107)	DURKEJ
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Description
101 102 103 104 105	8-759-988-42 s IC AD707JR 1-807-415-11 s IC BH-1210 1-803-806-11 s IC BH-1262 8-753-906-54 s IC TLO64CMS 8-753-988-87 s IC AD707JR	Q50 Q51 Q52 Q53	8-729-216-22 s TRANSISTOR 2SA1162 8-729-102-68 s TRANSISTOR 2SC2757 8-729-102-68 s TRANSISTOR 2SC2757 8-729-102-68 s TRANSISTOR 2SC2757
106 107 108 109 1010	1-807-415-11 s IC BH-1210 1-803-906-11 s IC BH-1252 8-759-988-42 s IC ADTOTAR 1-807-415-11 s IC BH-1210 1-808-906-11 s IC BH-1252	R1 R4 R5 R6 R8	1-216-649-11 s METAL CHIP 820 0,50% 1/10M 1-216-655-91 s METAL CHIP 1.5X 1% 1/10M 1-216-639-91 s METAL CHIP 470 1% 1/10M 1-216-691-11 s METAL CHIP 470 1% 1/10M 1-216-664-91 s METAL CHIP 3,6K 1% 1/10M
IC12 IC13 IC15 IC16	8-759-009-07 s IC MCIAD59BF 8-759-906-53 s IC TLAGSZES 1-809-026-11 s IC TLAGSZES 1-809-07-73 s IC TLAGSSBP	R9 R11 R16 R17 R18	1-216-661-91 s METAL CBIP 2.7K 1% 1/10W 1-216-670-91 s METAL CBIP 6.2K 1% 1/10W 1-216-627-91 s METAL CBIP 100 0.50% 1/10W 1-216-665-11 s METAL CBIP 3.9K 0.50% 1/10W 1-216-635-11 s METAL CBIP 220 0.50% 1/10W
01 02 03 04 05	8-729-403-33 s TRANSISTOR XM6634 8-729-403-30 s TRANSISTOR XM6435 8-729-403-30 s TRANSISTOR XM6435 8-729-403-403-50 s TRANSISTOR XM6435 8-729-403-40 s TRANSISTOR XM6435	R19 R21 R22 R24	1-216-658-11 s MBTAL CBIP 2K 0,50% 1/10M 1-216-663-11 s MBTAL CBIP 3,3K 0,50% 1/10W 1-216-671-11 s MBTAL CBIP 6,8K 0,50% 1/10W 1-216-671-11 s MBTAL CBIP 6,8K 0,50% 1/10W
96 97 98 99	8-729-109-44 s TRANSISTOR 25K94	R34 R39 R44 R45 R47	1-216-645-11 s METAL CBIP 560 0.50% 1/10W 1-216-699-11 s METAL CBIP 100K 0.50% 1/10W 1-216-675-11 s METAL CBIP 100K 0.50% 1/10W 1-216-649-11 s METAL CBIP 820 0.50% 1/10W 1-216-639-91 s METAL CBIP 830 1% 1/10W
011 012 013 014 015	8-729-175-72 s TRANSISTOR 2SC2757 8-729-122-63 s TRANSISTOR 2SA1226 8-729-403-30 s TRANSISTOR XN6435 8-729-403-30 s TRANSISTOR XN6435 8-729-403-30 s TRANSISTOR XN6435	R48 R49 R50 R51 R52	1-216-639-91 s METAL CBIP 330 1% 1/10W 1-216-642-91 s METAL CBIP 430 18 1/10W 1-216-6651-11 s METAL CBIP 47K 0,50% 1/10W 1-216-655-91 s METAL CBIP 1.5K 1% 1/10W 1-216-655-91 s METAL CBIP 1.5K 1% 1/10W
Q16 Q17 Q18 Q19 Q20	8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94	R53 R55 R60 R61 R62	1-216-663-91 s METAL CHIP 3.3K LX 1/10W 1-216-770-91 s METAL CHIP 6.2K 1% 1/10W 1-216-627-91 s METAL CHIP 100 0.50% 1/10W 1-216-665-11 s METAL CHIP 3.9K 0.50% 1/10W 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
921 922 923 924 925	8-729-109-44 s TRANSISTOR 25894 8-729-175-72 s TRANSISTOR 25C2757 8-729-403-33 s TRANSISTOR XM6534 8-729-403-30 s TRANSISTOR XM6435 R-729-403-30 s TRANSISTOR XM6435	R63 R65 R66 R68 R78	1-216-658-11 s METAL CHIP 2K 0,50% 1/10W 1-216-663-11 s METAL CHIP 3,3 K 0,50% 1/10W 1-216-671-11 s METAL CHIP 6,8 K 0,50% 1/10W 1-216-671-11 s METAL CHIP 6,8 K 0,50% 1/10W 1-216-645-11 s METAL CHIP 560 0,50% 1/10W
926 927 928 929	8-729-403-30 s TRANSISTOR KN6435 8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94	R85 R90 R91 R94 R95	1-216-699-11 s METAL CHIP 100K 0.50% 1/10W 1-216-675-11 s METAL CHIP 10K 0.50K 1/10W 1-216-649-11 s METAL CHIP 820 0.50K 1/10W 1-216-655-91 s METAL CHIP 1.5K 1X 1/10W 1-216-659-91 s METAL CHIP 330 1% 1/10W
Q31 Q32 Q33 Q34 Q35	8-729-109-44 s TRANSISTOR 25X94 8-729-109-44 s TRANSISTOR 25X94 8-729-107-72 s TRANSISTOR 25X94 8-729-107-72 s TRANSISTOR 25X1162 8-729-216-22 s TRANSISTOR 25X1162 8-729-216-22 s TRANSISTOR 25X1162	R96 R98 R99 R101 R106	1-216-681-11 s METAL CHIP 47% 0.50% 1/10W 1-216-682-91 s METAL CHIP 3K 1% 1/10W 1-216-684-91 s METAL CHIP 3K 1% 1/10K 1-216-670-91 s METAL CHIP 6.2% 1% 1/10W 1-216-670-91 s METAL CHIP 109 0.50% 1/10W
036 044 045 048 049	8-729-100-66 s TRANSISTOR 2SC1623 8-729-175-72 s TRANSISTOR 2SC2757 8-729-100-66 s TRANSISTOR 2SC1623	R107 R108 R109 R111 R112	I-216-665-11 s METAL CHIP 3.9K 0.50% 1/10W I-216-655-11 s METAL CHIP 220 0.50% 1/10W I-216-658-11 s METAL CHIP 2K 0.50K 1/10W I-216-663-11 s METAL CHIP 3.3K 0.50K 1/10W I-216-6671-11 s METAL CHIP 6.8K 0.50K 1/10W

(VA-104 BOARD)	VDA-11P BOARD
Ref. No. or O'ty Part No. SP Description	Ref. No. or O'ty Part No. SP Description
RI14 1-216-071-11 s NETAL CHIP 6.8K 0.50% 1/10W RI25 1-216-645-11 s NETAL CHIP 6.00 0.50% 1/10W RI35 1-216-659-11 s NETAL CHIP 100K 0.05 1/10W RI35 1-216-075-11 s NETAL CHIP 100 0.50% 1/10W RI35 1-216-075-11 s NETAL CHIP 100 0.50% 1/10W	DEC   A-6711-993-A O MOUNTED CIRCUIT BOARB, VOA-11P
R174 1-215-003-11 s METAL CHIP 10 0.50% 1/10W R175 1-215-003-11 s METAL CHIP 10 0.50% 1/10W R1818 1-215-069-11 s METAL CHIP 10 0.50% 1/10W R182 1-215-069-11 s METAL CHIP 38 0.50% 1/10W R183 1-215-069-11 s METAL CHIP 38 0.50% 1/10W	C1 1-126-391-11 S BLBCT 470F 20% 6, 3V C2 1-126-391-11 S BLBCT 470F 20% 6, 3V C6 1-126-390-11 S BLBCT 220F 20% 6, 3V C16 1-126-390-11 S BLBCT 220F 20% 6, 3V C16 1-126-392-11 S BLBCT 1000F 20% 6, 3V
RIST 1-216-639-91 s METAL CHIP 1.5K 1% 1/10W RI91 1-212-757-91 s METAL CHIP 1.5K 0.50% 1/10W RI93 1-216-762-91 s METAL CHIP 270W 0.50% 1/10W RI93 1-216-699-91 s METAL CHIP 100W 1% 1/10W	C110 1-126-391-11 s ELECT 47uF 20% 6.3V C116 1-126-392-11 s ELECT 100uF 20% 6.3V C201 1-126-399-11 s ELECT 20uF 20% 6.3V C202 1-163-120-00 s CERANIC CRIP 130FF 5% 50V C203 1-135-164-21 s TANTALUM CRIP 22uF 10% 20V
RVI 1-228-472-09 s RES. ADJ. METAL ZX RVI 1-237-037-11 s RES. ADJ. METAL ZDK RVI 1-237-036-11 s RES. ADJ. METAL ZDK RVI 1-228-472-00 s RES. ADJ. METAL ZDK RV5 1-228-472-00 s RES. ADJ. METAL ZX	C205 1-126-391-11 S BLECT 47uP 20% 6, 3V C207 1-126-390-11 S BLECT 22uP 20% 6, 3V C209 1-126-390-11 S BLECT 22uP 20% 6, 3V C212 1-163-120-00 S CBRANC CNIP 130PF 5% 50V C214 1-126-390-11 S BLECT 22uP 20% 6, 3V
886 1-237-037-11 s RES. ALU. METAL 201K 897 1-237-038-11 s RES. ALU. METAL 101K 898 1-228-475-00 s RES. ALU. METAL 201K 899 1-228-472-00 s RES. ALU. METAL 201K 8910 1-237-037-11 s RES. ARU. METAL 20X	C219 1-126-391-11 s BLECT 47uF 20% 6.3V C220 1-135-149-21 s TANTALUM CBIF 2.2wF 10% 10V C221 1-126-399-11 s BLECT 22WF 20% 6.3V C225 1-163-111-00 SCRANIC CBIF 569F 3% 50V
RV11 1-237-036-11 s RES, ADJ, METAL 10K RV12 1-228-475-00 s RES, ADJ, METAL 20K RV15 1-237-034-11 s RES, ADJ, METAL 2K	C226 1-163-111-00 s CERAMIC CHIP 56PF 5% 50V C227 1-135-164-21 s TANTALUM CHIP 22uF 10% 20V
RV15 1-237-034-11 s RES, ADJ, METAL 2K RV16 1-237-034-11 s RES, ADJ, METAL 2K RV17 1-237-034-11 s RES, ADJ, METAL 2K	CN1 1-566-960-11 o CONNECTOR, 50P, MALE CN2 1-566-388-11 s CONNECTOR, 2P, MALE
RV18 1-237-036-11 s RES, ADJ, METAL 10K RV19 1-237-036-11 s RES, ADJ, METAL 10K	CNJ2 1-565-413-11 o PLUG, SHORTING
1-237-036-11   8 RES. ADJ. METAL 10K	CV1 1-141-311-11 s TRIMMER 20PF CV2 1-141-311-11 s TRIMMER 20PF CV3 1-141-311-11 s TRIMMER 20PF CV4 1-141-311-11 s TRIMMER 20PF CV11 1-141-311-11 s TRIMMER 20PF
\$2 1-572-446-21 s SMITCM, ROTARY	CV12 1-141-311-11 s TRIMMER 20PF CV13 1-141-311-11 s TRIMMER 20PF CV14 1-141-311-11 s TRIMMER 20PF
	D201 8-719-123-85 s D10DB 1SS304 D301 8-719-105-82 s D10DB RD5, 1M-B2
	FL1 1-236-021-11 s FILTER, LON PASS (CRIP) FL2 1-236-126-12 s FILTER, LON PASS FL202 1-236-621-11 s FILTER, LON PASS FL203 1-236-621-11 s FILTER, LON PASS
	101

IC301

8-759-230-99 s IC TC74#C4053AF

(VDA-11P	BOARD)

(ADM-TTI	DOMES	(ADV-TT)	DOMED)
Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty	Part No. SP Bescription
L1	1-408-789-21 & INDUCTOR. CHIP 100eH	Q160	8-729-109-44 s TRANSISTUR 25X94
L2	-1408-789-21 & INDUCTOR. CHIP 100eH	Q161	8-729-119-44 s TRANSISTUR 25X94
L3	1-408-777-00 & INDUCTOR. CHIP 10eH	Q201	8-729-117-32 s TRANSISTUR 25C4177-16
L4	1-400-713-31 & INDUCTOR. CHIP 10eH	Q202	8-729-117-32 s TRANSISTUR 25C4177-16
L101	1-408-789-21 & INDUCTOR. CHIP 100eH	Q203	8-729-117-32 s TRANSISTUR 25C4177-16
L103	1-410-725-31 & INDUCTOR. CHIP 47DeH	9204	8-729-117-32 s TRANSISTOR 2SC4177-L6
L104	1-410-725-31 & INDUCTOR. CHIP 47DeH	9205	8-729-117-32 s TRANSISTOR 2SC4177-L6
L105	1-408-789-21 & INDUCTOR. CHIP 10DeH	9206	8-729-117-32 s TRANSISTOR 2SC4177-L6
L106	1-408-789-21 & INDUCTOR. CHIP 10DeH	9207	8-729-117-16 s TRANSISTOR 2SC4177-L6
L202	1-408-789-21 & INDUCTOR. CHIP 10DeH	9208	8-729-117-32 s TRANSISTOR 2SC4177-L6
L203	1-410-713-31 s INDUCTOR, CBHP 47aB	0209	8-729-117-32 s TRANSISTUR 25C4177-66
L204	1-410-713-31 s INDUCTOR, CBHP 47aB	0210	8-729-117-32 s TRANSISTUR 25C4177-6
L205	1-408-789-21 s INDUCTOR, CBHP 100eB	0211	8-729-117-16 s TRANSISTUR 25A1611-M6
L206	1-410-385-11 s INDUCTOR, CBHP 22aB	0301	8-729-101-07 s TRANSISTUR 258798-NL
LV201	1-412-018-11 s CDH, VAR 5,6eB	0303	8-729-807-50 s TRANSISTUR 2501623
01 02 03 04 05	8-729-905-18 s TRANSISTOR DTC144EE	R1 R2 R3 R4 R5	1-216-837-11 s METAL CHIP 22X 5% 1/16W 1-218-233-11 s METAL CHIP 24X 5% 1/16W 1-216-994-11 s METAL CHIP 13X 5% 1/16W 1-216-840-11 s METAL CHIP 33X 5% 1/16W 1-216-668-11 s METAL CHIP 5.1K 0.50% 1/10W
96 97 98 99 910	8-729-117-82 s TRANSISTOR 2SC4177-6 8-729-117-16 s TRANSISTOR 2SA1611-M6 8-729-117-72 s TRANSISTOR 2SC4176 8-729-117-16 s TRANSISTOR 2SA161-M6 8-729-117-16 s TRANSISTOR 2SA161-M6	R6 R7 R8 R9	1-216-680-11 s METAL CRIP 16K 0.50% 1/10W 1-216-822-11 s METAL CRIP 1.2K 5% 1/16M 1-216-829-11 s METAL CRIP 4.7K 5% 1/16M 1-216-817-11 s METAL CRIP 470 5% 1/16N 1-216-817-11 s METAL CRIP 3, 9K 5% 1/16N
Q11	8-729-117-72 s TRANSISTBR 2SC4178	R12	1-218-312-11 s METAL CHIP 470 L% 1/16W
Q12	8-729-956-12 s TRANSISTBR DTA1448U	R13	1-216-823-11 s METAL CHIP 1.5K 5% 1/16W
Q101	8-729-117-72 s TRANSISTBR 2SC4178	R14	1-216-821-11 s METAL CHIP 1K 5% 1/16W
Q106	8-729-117-72 s TRANSISTBR 2SC4178	R15	1-216-821-11 s METAL CHIP 1.5K 5% 1/16W
Q107	8-729-117-72 s TRANSISTBR 2SC4178	R16	1-216-827-11 s METAL CHIP 3.3K 5% 1/16W
Q108 Q109 Q110 Q111 Q112	8-729-109-44 s TRANSISTOR 2SK94 8-729-109-44 s TRANSISTOR 2SK94 8-729-109-44 s TRANSISTOR 2SK94	R17 R18 R19 R20 R21	1-216-821-11 s METAL CHIP 1K 5% 1/16W 1-216-821-11 s METAL CHIP 1K 5% 1/16W 1-216-820-11 s METAL CHIP 2.7% 5% 1/16W 1-216-820-11 s METAL CHIP 1. RK 5% 1/16W 1-216-824-11 s METAL CHIP 3. 3K 5% 1/16W
Q114	8-729-117-72 s TRANSISTOR 2SC4178	R22	1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W
Q115	8-729-117-72 s TRANSISTOR 2SC4178	R23	1-216-833-11 s METAL CHIP 10K 5% 1/16W
Q116	8-729-117-72 s TRANSISTOR 2SC4178	R24	1-216-833-11 s METAL CHIP 10K 5% 1/16W
Q117	8-729-905-12 s TRANSISTOR 076144EU	R25	1-216-833-11 s METAL CHIP 2TK 5% 1/16W
Q118	8-729-906-12 s TRANSISTOR 076144EU	R26	1-216-829-11 s METAL CHIP 4, 7K 5% 1/16W
0120 .	8-799-117-32 s TRANSISTOR 2SCL177-16	R27	1-216-829-11 s METAL CHIP 4, 7K 5% 1/16W
0121	8-729-117-16 s TRANSISTOR 2SA1611-M6	R28	1-216-833-11 s METAL CHIP 10K 5% 1/16W
0122	8-729-117-32 s TRANSISTOR 2SA1611-M6	R29	1-216-839-11 s METAL CHIP 10K 5% 1/16W
0123	8-729-117-16 s TRANSISTOR 2SA1611-M6	R30	1-216-839-11 s METAL CHIP 20X 5% 1/16W
0131	8-729-117-16 s TRANSISTOR 2SA1611-M6	R31	1-216-887-11 s METAL CHIP 10K 5% 1/16W
0132	8-729-109-44 s TRANSISTUR 25K94	R32	1-216-846-11 s NETAL CHIP 120K 5% 1/16W
0133	8-729-109-44 s TRANSISTUR 25K94	R33	1-216-833-11 s METAL CHIP 10K 5% 1/16W
0134	8-728-109-44 s TRANSISTUR 25K94	R34	1-216-865-11 s METAL CHIP 3K 1/16W
0153	8-729-208-07 s TRANSISTUR 25K913B	R45	1-216-869-11 s METAL CHIP 100 5% 1/16W
0154	8-729-208-07 s TRANSISTUR 25K1213B	R101	1-216-892-11 s METAL CHIP 2 2K 5% 1/16W
Q155	8-729-117-32 s TRANSISTBR 2SC4177-L6	R102	I-216-825-I1 s METAL CHIP 2.2K 5% 1/16W
Q156	8-729-117-72 s TRANSISTBR 2SC4178	R103	I-216-817-II s METAL CHIP 470 5% 1/16W
Q157	8-729-117-72 s TRANSISTBR 2SC4178	R104	I-216-821-II s METAL CHIP 1K 5% 1/16W
Q158	8-729-109-44 s TRANSISTBR 2SC4178	R105	I-216-825-II s METAL CHIP 1K 5% 1/16W
Q159	8-729-109-44 s TRANSISTBR 2SK94	R106	I-216-825-II s METAL CHIP 1K 5% 1/16W

(VDA-11P BOARD)

		(Ten III Bunkb)
Ref. No. or Q'ty	Part No. SP Bescription	Ref. No. or Q'ty Part No. SP Description
R108 R109 R110 R111 R112	1-216-817-11 s METAL CHIP 470 5% 1/16W 1-216-845-11 s METAL CHIP 100K 5% 1/16W	R173 1-216-837-11 s METAL CRIP 22K 5% 1/16W R174 1-216-837-11 s METAL CRIP 22K 5% 1/16W R180 1-216-833-11 s METAL CRIP 16K 5% 1/16W R181 1-216-797-11 s METAL CRIP 10 % 1/16W R182 1-216-826-11 s METAL CRIP 2, 7K 5% 1/16W
R113 R114 R115 R116 R117		R183 1-216-797-11 s METAL CRIP 10 5% 1/16W R184 1-216-826-11 s METAL CRIP 2 7K 5% 1/16W R185 1-216-864-11 s METAL CRIP 0-0HW R186 1-216-789-11 s METAL CRIP 2.2 5% 1/16W R187 1-216-789-11 s METAL CRIP 2.2 5% 1/16W
R118 R119 R120 R121 R122	1-216-815-11 s MBTAL CHIP 330 5% 1/16M 1-216-833-11 s MBTAL CHIP 10K 5% 1/16M 1-216-840-11 s MBTAL CHIP 39K 5% 1/16M	R188 1-216-789-11 s METAL CHIP 2.2 5% 1/16N R189 1-216-789-11 s METAL CHIP 2.2 5% 1/16N R190 1-216-864-11 s METAL CHIP 0-0HM R191 1-216-816-11 s METAL CHIP 0-0HM R201 1-216-833-11 s METAL CHIP 10K 5% 1/16N
R123 R124 R125 R126 R127	1-216-837-11 s METAL CHIP 22K 5% 1/16N 1-216-845-11 s METAL CHIP 100K 5% 1/16W 1-216-837-11 s METAL CHIP 22K 5% 1/16W 1-216-845-11 s METAL CHIP 100X 5% 1/16W 1-216-837-11 s METAL CHIP 22K 5% 1/16W	R202 1-216-821-11 s METAL CHIP IN 5% 1/16% R203 1-216-821-11 s METAL CHIP IN 5% 1/16% R204 1-216-825-11 s METAL CHIP 1% 5% 1/16% R205 1-216-821-11 s METAL CHIP 1% 5% 1/16% R206 1-216-818-11 s METAL CHIP 1% 5% 1/16%
R128 R129 R130 R131 R132	1-216-845-11 s METAL CHIP 100K SK 1/16M 1-216-837-11 s METAL CHIP 22K SK 1/16M 1-216-809-11 s METAL CHIP 100 SK 1/16M 1-216-809-11 s METAL CHIP 100 SK 1/16M 1-218-239-11 s METAL CHIP 510 SK 1/16M	R207 1-216-827-11 s WETAL CHIP 3.3K 5% 1/16M R208 1-216-820-11 s WETAL CHIP 820 5% 1/16W R209 1-216-829-11 s WETAL CHIP 4.7K 5% 1/16W R210 1-216-821-11 s WETAL CHIP 4.7K 5% 1/16W R211 1-216-833-11 s WETAL CHIP 10K 5% 1/16W
R133 R134 R136 R138 R140	1-218-289-11 s METAL CHIP 510 5% 1/16W 1-218-288-11 s METAL CHIP 300 5% 1/16W 1-216-822-11 s METAL CHIP 1.2% 5% 1/16W 1-216-823-11 s METAL CHIP 1.5% 5% 1/16W 1-218-303-11 s METAL CHIP 10% 1% 1/16W	R212 1-216-833-11 s METAL CHIP 10K 5% 1/16W R213 1-216-821-11 s METAL CHIP 1K 5% 1/16W R214 1-216-825-11 s METAL CHIP 1K 5% 1/16W R215 1-216-836-11 s METAL CHIP 470 5% 1/16W R216 1-216-836-11 s METAL CHIP 18K 5% 1/16W
R141 R142 R143 R144 R145	1-218-303-11 \$ METAL CHIP 10K 1% 1/16W 1-216-821-11 \$ METAL CHIP 1% S% 1/16W 1-216-822-11 \$ METAL CHIP 1. 2% 5% 1/16W 1-216-821-11 \$ METAL CHIP 1% 5% 1/16W 1-216-821-11 \$ METAL CHIP 1% 5% 1/16W	R217   1-216-821-11 s METAL CHIP IK 58 1/16W   R218   1-216-818-11 s METAL CHIP 560 5% 1/16W   R219   1-216-827-11 s METAL CHIP 3.3K 5% 1/16W   R219   1-216-826-11 s METAL CHIP 0-0MM   R222   1-216-830-11 s METAL CHIP 5.6K 5% 1/16W   R222   1-216-830-11 s METAL CHIP 5.6K 5% 1/16W   R222   R216-830-11 s METAL CHIP 5.6K 5% 1/16W   R222   R216-830-11 s METAL CHIP 5.6K 5% 1/16W   R226   R216-830-11 s METAL CHIP 5.6K 5% 1/16W   R226   R216-830-11 s METAL CHIP 5.6K 5% 1/16W   R216-830-11
R146 R147 R148 R149	1-216-823-11 s METAL CHIP 1.5K 5% 1/16W 1-216-827-11 s METAL CHIP 3.3K 5% 1/16W 1-216-821-11 s METAL CHIP 1K 5% 1/16W	R223 1-216-829-11 s METAL CHIP 820 5% 1/16W R224 1-216-829-11 s METAL CHIP 4.7% 5% 1/16W R226 1-216-829-11 s METAL CHIP 4.7% 5% 1/16W R227 1-216-830-11 s METAL CHIP 19K 5% 1/16W R228 1-216-833-11 s METAL CHIP 10K 5% 1/16W
R150 R151 R160 R161 R162	1-216-337-11 s METAL CHIP 22K 55 1/16W 1-216-327-11 s METAL CHIP 22K 55 1/16W 1-216-827-11 s METAL CHIP 3.3K 58 1/16W 1-216-829-11 s METAL CHIP 500 55 1/16W 1-216-829-11 s METAL CHIP 4, 7K 5\$ 1/16W	R229 1-218-303-11 s METAL CHIP 10K 1% 1/16W R230 1-216-833-11 s METAL CHIP 10K 5% 1/16W R231 1-216-834-11 s METAL CHIP 10K 5% 1/16W R232 1-216-841-11 s METAL CHIP 4TK 5% 1/16W R233 1-216-845-11 s METAL CHIP 10K 5% 1/16W
R163 R164 R165 R166 R167	1-216-845-11 s METAL CHIP 100K 5% 1/16W	
R168 R169 R170 R171 R172	1-216-845-11 \$ METAL CBIP 100K 5% 1/16W 1-216-845-11 \$ METAL CBIP 100K 5% 1/16W 1-216-845-11 \$ METAL CBIP 100K 5% 1/16W 1-216-837-11 \$ METAL CBIP 22K 5% 1/16W 1-216-837-11 \$ METAL CBIP 22K 5% 1/16W	

#### (VDA-11P BOARD)

Ref No or Q'ty Part No. SP Rescription R245 1-216-825-11 s METAL CHIP 2, 2K 5% 1/16W 1-216-821-11 s METAL CHIP IN 5% 1/16W R301 1-216-825-11 s METAL CHIP 2.2K 5% 1/16W 1-216-825-11 s METAL CHIP 2.2K 5% 1/16W 1-216-826-11 s METAL CHIP 2.7K 5% 1/16W R302 8304 1-237-036-11 s RES, ADJ, METAL 10K 1-237-036-11 s RES, ADJ, METAL 10K RV1 RV2 RV3 1-237-034-11 s RBS, ADJ, METAL 2K RVA 1-237-039-11 s RES. ADJ. METAL 100K RVS 1-237-034-11 s RES, ADJ, METAL 2K 1-237-035-11 s RES, ABJ, METAL 5K RVA RV7 1-237-037-11 s RES, ADJ, METAL 20K 1-237-035-11 s RES, ADJ, METAL 5K 87101 1-237-035-11 s RES, ADJ, METAL 5K RV102 1-237-035-11 s RES. ADJ. METAL 5K RV103 RV104 1-237-035-11 s RES, AUJ, METAL 5K 1-237-032-11 s RES, ADJ, METAL 500 RV 105 1-230-867-11 s RES, ADJ, METAL 1K RV107 RV108 1-230-868-11 s RES, ADJ, METAL 2, 2K RV201 1-237-035-11 s RES, ADJ, METAL 5K RV202 1-237-035-11 s RES, ADJ, METAL 5K 1-237-037-11 s RES, ADJ, METAL 20K RV203 RY204 1-230-871-11 s RES, ADJ, METAL 22K 1-237-033-11 s RBS, ADJ, METAL 1K 1-237-033-11 s RBS, ADJ, METAL 1K RV205 RV206 RV208 1-230-871-11 s RBS, ADJ, METAL 22K 1-237-035-11 s RES, ADJ, METAL 5K R¥209 RV210 1-237-035-11 s RES. ADJ. METAL 5K 1-237-034-11 s RES, ADJ, METAL 2K RV211 1-237-036-11 s RES, ADJ, METAL 10K R¥212 R¥213 1-237-036-11 s RES, ADJ, METAL 10K TH1 1-808-862-21 s THERMISTER (CHIP)

VF-32 BOARD Ref No or G'ty Part No. SP Description AA-7513-642-B o MOUNTED CLECKLY BOARD, VF-32 62 1-135-125-21 s TANTALUM CHIP 33uF 20% 10V 63 1-163-115-00 s CERAMIC CHIP 82PF 5% 50V 1-131-974-00 s TANTALUM 33uF 10% 10V 1-131-374-00 s TANTALUM 33uF 10% 10V △1-136-534-11 s FILM 0.0027uF 5% 100V 013 C14 015 C16 1-136-287-11 s FILM 0.0047uF 5% 100V C21 1-164-350-11 s CERAMIC 470PF 10% 1KV 1-126-233-11 s ELECT 22uF 20% 35V C22 C23 1-163-833-00 s CERAMIC CHIP 0.068uF 25V C24 1-131-365-00 s TANTALUM 10uF 10% 16V C35 1-136-287-11 s PILM 0.0047uP 5% 100V £37 1-163-037-11 s CERAMIC CHIP 0, 0224F 10% 25V C46 1-126-176-11 s ELECT 220uF 20% 10V 1-124-455-00 s ELECT 100uF 20% 16V C47 C51 1-163-018-00 s CERAMIC CHIP 0.0056uP 5% 5 CN1. 1-566-395-11 o CONNECTOR, 10P, MALE 1-566-391-11 o CONNECTOR, 12P, MALE CN2 1-506-469-11 o CONNECTOR, 4P, MALE CN3 1-506-470-11 o CONNECTOR, 5P, MALE 1-506-470-11 o CONNECTOR, 5P, MALE CN4 CN5 1-506-467-11 o CONNECTOR, 2P, MALE CNS CN7 1-566-393-11 o CONNECTOR, 6P, MALE ď¥1 1-141-370-11 s CAP, CHIP TRIMMER SOPE B1 8-719-914-11 s BIODE HZ4ALL B2 8-719-800-76 s 01008 1SS226 03 8-719-900-95 s DIODE VO96 05 8-719-901-19 s DIODE V11N 06 8-719-900-95 s DIDDE VD96 117 8-719-104-31 s DIODE 192838 08 8-719-104-31 s DIODE 152838 09 8-719-800-76 s DIDDE 188226 8-719-800-76 s DIDDE 188226 8-719-104-31 s DIODE 1S2838 D11 D12 8-719-910-75 s D10DE H27B2L 013 8-719-104-34 s B100E 1S2836 D1.1 1-415-487-11 s DELAY LINE 140nS Δ8-759-300-28 s IC HA11423MP 8-759-100-94 s IC UPC35862 8-759-209-57 s IC TC4S69F IC2 104 8-759-209-54 s IC 7C4S01F Δ1-459-899-11 s COLL, HORIZONTAL LINEARITY 1-410-716-31 s INDUCTOR CHIP 82ml 01 8-729-175-72 s TRANSISTOR 2SC2757 Q2 8-729-175-72 s TRANSISTOR 2SC2757 Q3 8-729-175-72 s TRANSISTOR 2SC2757 8-729-175-72 s TRANSISTOR 2SC2757 OA.

8-729-100-66 s TRANSISTOR 25C1623

#### (VF-32 BOARD)

or Q'ty Part No. SP Description 8-729-105-37 s TRANSISTOR 2SC3360 8-729-100-66 s TRANSISTOR 2SC1623 07 8-729-119-00 s TRANSISTUR 25K612 89 αğ. 8-729-119-00 s TRANSISTOR 25K612 oin 8-729-105-37 s TRANSISTOR 2SC3360 611 8-729-100-66 s TRANSISTOR 2SC1623 8-729-216-22 s TRANSISTOR 2SA1162 012 8-729-175-72 s TRANSISTOR 2SC2757 913 8-729-100-66 s TRANSISTOR 2SC1623 014 8-729-216-22 s TRANSISTOR 2SA1162 915 8-729-162-43 s TRANSISTOR 2SB624-BV3 Q16 8-729-109-44 s TRANSISTOR 25K94 017 918 8-729-216-22 s TRANSISTOR 2SA1162 1-216-687-11 s METAL CHIP 33K 0,50% 1/10W 6.3 1-216-683-11 s METAL CHIP 22K 0,50% 1/10W 1-216-644-11 s METAL CHIP 510 0,50% 1/10W **R5** 1-216-644-11 s METAL CHIP 510 0.50% 1/10W 1-216-644-11 s METAL CHIP 510 0.50% 1/10W RA R8 1-216-657-11 s METAL CHIP 1.8K 0.50% 1/10W 1-216-689-11 s METAL CHIP 39K 0.50% 1/10W R10 R11 1-216-683-11 s METAL CHIP 22K 0.50% 1/10M 812 1-216-637-11 s METAL CHIP 270 0:50% 1/10M 814 1-216-671-11 s METAL CHIP 6, 8K 0, 50% 1/10W RIC 1-216-639-11 s METAL CHIP 330 0.50% 1/10W 1-216-644-11 s METAL CHIP 510 0.50% 1/10W R17 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10M R19 1-216-645-11 s NETAL CHIP 560 0.50% 1/10W R20 1-216-657-11 s METAL CHIP L, 8K 0.50% 1/10W 1-216-673-11 s METAL CHIP 8, 2K 0, 50% 1/10W R23 R25 1-216-683-11 s METAL CHIP 22K 0,50% 1/10W 1-216-667-11 s METAL CHIP 4, 7K 0.50% 1/10W R26 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W R27 R28 929 1-214-520-00 s METAL 30 1% 1/8W R32 1-216-698-11 s METAL CHIP 91K 0.50% 1/10M 1-216-669-11 s NETAL CHIP 5.6K 0.50% 1/10M R43 1-215-490-00 s METAL 750K 1% 1/6W R46 △1-216-085-00 s METAL CHIP 33K 5% 1/10W R50 ▲1-216-057-00 s METAL CHIP 2.2K 5% 1/10M 1-216-681-11 s METAL CHIP 18K 0.50% 1/10M 1-216-683-11 s METAL CHIP 22K 0.50% 1/10M 1-216-683-11 s METAL CHIP 22K 0.50% 1/10M 1-216-668-11 s METAL CHIP 25K 0.50% 1/10M R51 R79 R81 R82 R85 1-216-693-11 s METAL CBIP 56K 0.50% 1/10M 1-216-659-11 s METAL CBIP 2, 2K 0.50% 1/10W 1-216-627-11 s METAL CBIP 100 0.50% 1/10W 1-216-627-11 s METAL CBIP 100 0.50% 1/10W 887 R91 R92 1-216-644-11 s METAL CHIP 510 0.50% 1/10W ROS 297 1-208-259-00 s METAL 10M 10M 1-237-035-11 s RES, ADJ, METAL 5K RV1 RV2 1-237-035-11 s RES, ADJ, METAL 5K 1-237-035-11 s RES, ADJ, METAL 5K 1-237-041-11 s RES, ADJ, METAL 500K 1-237-035-11 s RES, ADJ, METAL 5K BV3 RVA

(VE-32 BDARD)

Ref. No.
or G'ty Part No. SP Description

RY6 1-237-051-11 s RES. ADJ. METAL 200
RY8 1-237-052-11 s RES. ADJ. METAL 500
RY8 1-237-052-11 s RES. ADJ. METAL 500
RY9 1-237-053-11 s RES. ADJ. METAL 500
RY9 1-237-053-11 s RES. ADJ. METAL 500
RY9 1-237-03-81 s RES. ADJ. METAL 500
RY8 1-306-497-00 s VARISTOR ERZ-05504220

VP-24P B		(VP-24P	BOARD)		
Ref. No.	Part No. SP Description	Ref. No. or Q'ty	Part No.	SP Description	1
ipc ipc ipc 5pcs ipc	3-729-061-01 s SCREW (M2X4.5) (TYPB 1)	013 014 015 016 017	8-729-117-72 8-729-109-44 8-729-109-44	S TRANSISTOR S TRANSISTOR S TRANSISTOR S TRANSISTOR S TRANSISTOR	2SC4178 2SK94 2SK94
C1 C2 C3 C4 C26	1-126-398-11 s BLECT 4 TuF 20% 35V 1-126-401-11 s BLECT 1uF 20% 50V 1-126-390-11 s BLECT 22uF 20% 6.3V 1-163-095-00 s CERAMIC CHIP 12PF 5% 50V	018 019 020 021 022	8-729-117-72 8-729-117-72 8-729-117-72	s transistor 2 s transistor 2 s transistor 2 s transistor 2 s transistor 2 s transistor	2SC4178 2SC4178 2SC4178
C56 C83 C121 C123 C126	1-163-095-00 s CERAMIC CHIP 12PF 5% 50V 1-126-390-11 s ELECT 22±F 20% 6, 3V 1-126-392-11 s ELECT 100±F 20% 6, 3V 1-163-094-00 s CERAMIC CHIP 18PF 5% 50V	923 925 926 927	8-729-906-33 8-729-905-18 8-729-905-18	S TRANSISTOR S TRANSISTOR S TRANSISTOR S TRANSISTOR S TRANSISTOR 2 S TRANSISTOR	DTC114YU DTC144EU DTC144EU
C127 C128 C129 C149 C161	1-126-390-11 s ELECT 22mF 20K 6.3F 1-126-399-11 s ELECT 27mF 20K 35F 1-126-390-11 s ELECT 22mF 20K 6.3F 1-126-390-11 s ELECT 12mF 20K 6.3F 1-126-301-11 s ELECT 12mF 20K 6.3F 1-126-310-10 s ELECT 12mF 20K 50F 1-55-100-00 s ELEMANIC CHIP 27PF 5K 50V	029 030 031 032 033	8-729-905-18 8-729-117-73 8-729-117-73	S S TRANSISTOR S S TRANSISTOR S S TRANSISTOR S S TRANSISTOR S S TRANSISTOR	DTC144EU 2SC4178 2SC4178
CN1 D1 D2 D3 D4	1-568-960-11 o CDRMECTOR. 50P. MALE 8-719-123-85 s DIODE ISS304 8-719-122-85 s DIODE ISS304 8-719-122-85 s DIODE ISS304 8-719-123-85 s DIODE ISS304	036 037 038	8-729-117-73 8-729-117-73 8-729-117-73 8-729-117-73	2 s TRANSISTOR 2 s TRANSISTOR 2 s TRANSISTOR 2 s TRANSISTOR 2 s TRANSISTOR	2SC4178 2SC4178 2SC4178 2SC4178
FB21 FB51 FB101	1-543-309-12 s BEAO. FERRITE 1-543-309-12 s BEAO. FERRITE 1-543-309-12 s BEAO. FERRITE	039 040 041 042 043	8-729-905-18 8-729-109-4 8-729-109-4	2 s TRANSISTOR 3 s TRANSISTOR 1 s TRANSISTOR 4 s TRANSISTOR 1 s TRANSISTOR	BTC144EU 2SK94 2SK94
101 102 103 104 105	8-759-112-53 s iC UPC16636 8-759-112-53 s iC UPC16636 8-759-977-59 s iC CXD13570 8-759-20-99 s iC TC744C4053AF 8-759-28-14 s iC CX20030-Z	044 045 046 047	8-729-109-44 8-729-109-44 8-729-109-44	S TRANSISTOR S TRANSISTOR S TRANSISTOR S TRANSISTOR S TRANSISTOR	2SK94 2SK94 2SK94
106 107	8-759-209-90 s IC TC4S71F 8-759-239-34 s IC TC74HC4538AF	Q51	8-729-117-75	s TRANSISTOR	2804178
L21 L51 L101 L121	8-759-209-90 s IC TC4571F 8-759-239-34 s IC TC748C4535AF 1-410-703-21 s INDUCTED, CRIF 6, 2eR 1-440-703-21 s INDUCTED, CRIF 120R 1-440-703-31 s INDUCTED, CRIF 120R 1-410-717-31 s INDUCTED, CRIF 120R 1-410-717-31 s INDUCTED, CRIF 150R	052 053 054 055	8-729-905-13 8-729-905-13	2 s TRANSISTOR 2 s TRANSISTOR 3 s TRANSISTOR 3 s TRANSISTOR	DTA144EU DTC144EU
L122 L123	1-410-707-21 s INDUCTOR, CHIP 15wH . 1-410-722-31 s INDUCTOR, CHIP 276wH	956 957 958	8-729-905-12	s TRANSISTOR s Transistor s Transistor	DTA144EU
01	8-729-162-43 s TRANSISTOR 288624-BV3	059 060	8-729-905-18	S S TRANSISTOR S S TRANSISTOR S S TRANSISTOR	DTC144BU
92 93 94 95	8-729-905-18 s TRANSISTOR DTC14460 8-729-117-16 s TRANSISTOR 25A1611-M6 8-729-117-32 s TRANSISTOR 25C4177-L6 8-729-162-43 s TRANSISTOR 25B624-0V3	961 962		2 s TRANSISTOR 3 s TRANSISTOR	
		D.1	1 916 929 11	A WETAL CUID	10V CV 1/100

8-729-109-44 s TRANSISTOR 2SK94

8-729-109-44 s TRANSISTOR 2SK94

8-729-109-44 s TRANSISTOR 25K94 8-729-109-44 s TRANSISTOR 25K94 8-729-117-72 s TRANSISTOR 25K94

03

04

99

910

Q11

Q12

R2

R3

R4

85

8-729-905-18 s TRANSISTOR BTC144EU 1-216-833-11 s METAL CHIP 10K 5% 1/16W 1-216-821-11 s METAL CHIP 1K 5% 1/16W 1-216-821-11 s METAL CHIP 1K 5% 1/16W 1-216-821-11 s METAL CHIP 6.8W 5% 1/16W 1-216-837-11 s METAL CHIP 22K 5% 1/16W

(VP-24P BDARD)	(VP-24F BOARD)
Ref. No.	Ref. No.
or O'ty Part No. SP Description	or O'ty Part No. SP Description
R6 1-216-233-11 s METAL CHIP 10K 5% I/16W	R82 1-216-825-11 s MBTAL CHIP 2.2K 5% 1/16W
K7 1-216-255-11 s METAL CHIP 2.2 K 5% I/16W	R83 1-216-847-11 s MBTAL CHIP 150K 5% 1/16W
R8 1-216-225-11 s METAL CHIP 2.7 K 5% I/16W	R84 1-216-841-11 s MBTAL CHIP 170K 5% 1/16W
R9 1-216-2331-11 s METAL CHIP 10K 5% I/16W	R85 1-216-833-11 s MBTAL CHIP 10K 5% 1/16W
R21 1-216-309-11 s METAL CHIP 10K 5% I/16W	R86 1-216-833-11 s MBTAL CHIP 10K 5% 1/16W
822 1-218-809-11 s METAL CHIP 100 5% 1/160 R23 1-218-829-11 s METAL CHIP 4.7% 5% 1/160 R24 1-218-829-11 s METAL CHIP 4.7% 5% 1/160 R25 1-218-825-11 s METAL CHIP 2.2% 5% 1/160 R26 1-218-825-11 s METAL CHIP 2.2% 5% 1/160	R87 1-216-849-11 s METAL CHIP 220K 5% L/16W R89 1-216-833-11 s METAL CHIP 10K 5% L/16W R90 1-216-833-11 s METAL CHIP 10K 5% L/16W R91 1-216-823-11 s METAL CHIP 10K 5% L/16W R92 1-216-821-11 s METAL CHIP 1K 5% L/16W
227 1-2(5-8)(9-1) s METAL CHIP 580 5% 1/160 R23 1-2(5-827-1) s METAL CHIP 3.3% 5% 1/160 R29 1-2(6-8)(3-1) s METAL CHIP 2.0 5% 1/160 R30 1-2(6-8)(3-1) s METAL CHIP 10% 5% 1/160 R31 1-2(6-8)(3-1) s METAL CHIP 10% 5% 1/160	R93         1-216-833-11 s METAL CHIP 10K 5% 1/16W           R94         1-216-829-11 s METAL CHIP 4,7K 5% 1/16W           R95         1-216-829-11 s METAL CHIP 4,7K 5% 1/16W           R96         1-216-837-11 s METAL CHIP 22K 5% 1/16W           R97         1-216-837-11 s METAL CHIP 22K 5% 1/16W
232 1-216-332-11 s METAL CHIP 10K 5% 1/16W	R98 1-216-837-11 s METAL CHIP 22K 5% 1/16W
R33 1-216-332-11 s METAL CHIP 10K 5% 1/16W	R99 1-216-849-11 s METAL CHIP 22DK 5% 1/16W
R34 1-216-327-11 s METAL CHIP 12K 5% 1/16W	R100 1-216-809-11 s METAL CHIP 130 5% 1/16W
R37 1-216-323-11 s METAL CHIP 1K 5% 1/16W	R101 1-216-827-11 s METAL CHIP 13 3K 5% 1/16W
R38 1-216-333-11 s METAL CHIP 10K 3% 1/16W	R102 1-216-825-11 s METAL CHIP 2 2K 5% 1/16W
R39 1-216-817-11 s METAL CHIF 470 5% 1/16M	R103 1-216-833-11 s METAL CHIP 10X 5% 1/16W
840 1-216-817-11 s METAL CHIF 470 5% 1/16M	R104 1-216-821-11 s METAL CHIP 1K 5% 1/16W
841 1-216-815-11 s METAL CHIF 300 5% 1/16M	R105 1-216-864-11 s METAL CHIP 0-0HM
842 1-216-817-11 s METAL CHIF 300 5% 1/16M	R106 1-216-833-11 s METAL CHIP 10X 5% 1/16W
843 1-216-813-11 s METAL CHIF 270 5% 1/16M	R107 1-216-829-11 s METAL CHIP 10X 5% 1/16W
R44 1-216-807-11 s METAL CBH P.8 S% 1/16W	R108 1-216-823-11 s METAL CHIP 1.5K 5X 1/16M
R45 1-216-829-11 s METAL CBH P. 47. 5% 1/16W	R109 1-216-809-11 s METAL CHIP 100 5X 1/16M
R46 1-216-829-11 s METAL CBH P. 47. 5% 1/16W	R110 1-216-833-11 s METAL CHIP 105 5X 1/16M
R47 1-216-811-11 s METAL CBH P.10 S% 1/16W	R111 1-216-841-11 s METAL CHIP 4TK 5X 1/16M
R51 1-216-809-11 s METAL CBH P.10 S% 1/16W	R112 1-216-821-11 s METAL CHIP 1K 5X 1/16M
RSS 1-216-809-11 s METAL CHIP 100 SS 1/16W	R113 1-216-829-11 s MBTAL CBIP 4,7K 5% 1/16W
RSS 1-216-829-11 s METAL CHIP 1 7K SK 1/16W	R114 1-216-815-11 s MBTAL CBIP 4,7K 5% 1/16W
RSG 1-216-829-11 s METAL CHIP 4 7K SK 1/16W	R115 1-216-809-11 s MBTAL CBIP 100 5% 1/16W
RSG 1-216-829-11 s METAL CHIP 2 7K SK 1/16W	R116 1-216-817-11 s MBTAL CBIP 470 5% 1/16W
RSG 1-216-829-11 s METAL CHIP 2 2K SK 1/16W	R117 1-216-837-11 s MBTAL CBIP 22K 5% 1/16W
857 1-216-823-11 s METAL CHIP 1.5K CS 1/16W	R118 1-216-809-11 s MBTAL CHIP 100 5% 1/16W
R58 1-216-827-11 s METAL CHIP 3.3K SK 1/16W	R119 1-216-837-11 s MBTAL CHIP 22K 5% 1/16W
R59 1-216-813-11 s METAL CHIP 22 SK 1/16W	R121 1-216-821-11 s MBTAL CHIP 1K 5% 1/16W
R60 1-216-833-11 s METAL CHIP 10K SK 1/16W	R122 1-216-833-11 s MBTAL CHIP 10K 5% 1/16W
R61 1-216-833-11 s METAL CHIP 10K SK 1/16W	R123 1-216-833-11 s MBTAL CHIP 10K 5% 1/16W
R62 1-216-833-11 s METAL CEIF 10K S% 1/16W	R125 1-216-819-11 s MBTAL CHIP 680 S% 1/16M
R63 1-216-833-11 s METAL CEIF 10K S% 1/16W	R126 1-216-829-11 s MBTAL CHIP 4,7% 5% 1/16M
R64 1-216-835-11 s METAL CEIF 10K S% 1/16W	R127 1-216-828-11 s MBTAL CHIP 4,7% 5% 1/16M
R67 1-216-821-11 s METAL CEIF 1K S% 1/16W	R128 1-216-829-11 s MBTAL CHIP 4,7% 5% 1/16M
R68 1-216-833-11 s METAL CEIF 10K S% 1/16W	R129 1-216-827-11 s MBTAL CHIP 3,3% 5% 1/16M
860 1-216-817-11 s MSTAL CRIH 770 SK L/16N	R130 1-216-825-11 s METAL CNIP 2.2K 5% 1/16W
870 1-216-817-11 s MSTAL CRIH 770 SK L/16N	R131 1-216-828-11 s METAL CNIP 3.9K 5% 1/16W
871 1-216-817-11 s MSTAL CRIH 770 SK L/16N	R132 1-216-837-11 s METAL CNIP 3.9K 5% 1/16W
872 1-216-817-11 s MSTAL CRIH 770 SK L/16N	R133 1-216-833-11 s METAL CNIP 10K 5% 1/16W
873 1-216-812-11 s MSTAL CRIH 720 SK L/16N	R134 1-216-807-11 s METAL CNIP 68 5% 1/16W
874 1-216-827-11 s METAL CHIF 68 35 1/16W	R135 1-216-823-11 s METAL CHIP 1.5% 5% 1/16W
875 1-216-829-11 s METAL CHIF 4.7K 55 1/16W	R136 1-216-827-11 s METAL CHIP 1K 5% 1/16W
876 1-216-829-11 s METAL CHIF 4.7K 55 1/16W	R137 1-216-864-11 s METAL CHIP 1K 5% 1/16W
880 1-216-837-11 s METAL CHIF 28 35 1/16W	R141 1-216-847-11 s METAL CHIP 150K 5% 1/16W
881 1-216-849-11 s METAL CHIF 28 35 1/16W	R142 1-216-333-11 s METAL CHIP 16X 5% 1/16W

Please see pages 13-52 to 13-53 for the part numbers of capacitors and resistors that are not listed in the parts list.

#### (VP-2AP BOARD)

RV141

\$1

or Q'ty Part No. OP Rescription P143 1-216-837-11 s METAL CHIP 22K 5% 1/16W 1-216-837-11 s METAL CHIP 22K 5% 1/16M 1-216-837-11 s METAL CHIP 22K 5% 1/16M 1-216-839-11 s METAL CHIP 23K 5% 1/16M R144 R145 R146 1-216-825-11 s METAL CHIP 2.2K 5% 1/16W R147 R148 1-216-827-11 s METAL CHIP 3, 3K 5% 1/16W 1-216-827-11 s METAL CHIP 3.3A 5% 1/16W 1-216-824-11 s METAL CHIP 1.8K 5% 1/16W 1-216-817-11 s METAL CHIP 470 5% 1/16W 1-216-817-11 s METAL CHIP 470 5% 1/16W 1-216-819-11 s METAL CHIP 680 5% 1/16W R149 R150 R151 R152 1-216-847-11 s METAL CHIP 150K 5% 1/16W 1-216-834-11 s METAL CHIP 12X 5% 1/16W 1-216-833-11 s METAL CHIP 470K 5% 1/16W 1-216-833-11 s METAL CHIP 10X 5% 1/16W 1-216-837-11 s METAL CHIP 12X 5% 1/16W P153 R155 R156 R157 R158 1-216-841-11 s METAL CHIP 47K 5% 1/16W 1-216-853-11 s METAL CHIP 470K 5% 1/16W R159 R160 1-216-837-11 s METAL CHIP 22K 5% 1/16M 1-216-833-11 s METAL CHIP 10K 5% 1/16M R161 R162 1-216-825-11 s METAL CUIP 2 2K 5% 1/16W 1-216-864-11 s METAL CHIP 0-0HM R163 1-216-834-11 s METAL CHIP 12K 5% 1/16W R164 1-216-849-11 s METAL CHIP 220K 5% 1/16W R165 1-216-833-11 s METAL CHIP 10K 5% 1/16W 1-216-813-11 s METAL CHIP 220 5% 1/16W R166 R168 R171 1-216-841-11 s METAL CHIP 47K 5% 1/16W R179 1-216-821-11 s METAL CHIP 1K 5% 1/16W 1-216-819-11 s METAL CHIP 680 5% 1/16W R201 R202 1-216-837-11 s METAL CHIP 22K 5% 1/16W RV21 1-230-868-11 s RES, ADJ, METAL 2.2K 1-230-868-11 s RES, ADJ, METAL 2.2K 1-230-868-11 s RES, ADJ, METAL 2.2K RV23 RV25 1-230-868-11 s RES, ADJ, METAL 2.2K RV27 RV51 1-230-868-11 s RBS, ADJ, METAL 2.2K RV53 1-230-868-11 s RES, ADJ, METAL 2, 2K 1-230-868-11 s RBS, ADJ, MBTAL 2, 2K 1-230-868-11 s RBS, ADJ, MBTAL 2, 2K 1-230-868-11 s RBS, ADJ, MBTAL 2, 2K RV55 RV57 RV101 1-230-868-11 s RES, ADJ, METAL 2 2K RV102

## VR-67 BOARD

Ref No

or Q'ty Part No. SP Description

1-625-089-11 o PRINTED CIRCUIT BOARD, VR-67 Inc

R4 1-216-691-11 s METAL CHIP 47K 0 50K 1/10W

RVI 1-238-290-11 s RES. VAR. CARBON 1K

RV2

1-238-296-11 s RES, VAR, CARBON 10K 1-238-293-11 s RES, VAR, CARBON 10K RV3 PVA 1-238-296-11 s RES, VAR, CARBON 10K

## VR-70 BOARD

## Ref No

or G'ty Part No. SP Description

1-625-553-13 o PRINTED CIRCUIT SOARD, VR-70 1 pc

CNI 1-506-485-11 o CONNECTOR, 6P. WALE

RV1 1-230-337-11 s RES, VAR, CARBON 10K 1-230-337-11 s RES, VAR, CARBON 10K RV2 893 1-228-456-00 s RES, ADJ, METAL 1K

1-230-870-11 s RES. ADJ. METAL 10K 1-571-275-11 s SWITCH, SLIDE.

### VR-77 BOARD

Ref. No. or Q'ty Part No. SP Description

1-625-554-13 o PRINTED CIRCUIT BOARD, VR-77 1pc 1pc 1-223-165-00 s RES. ADJ. MIREWOODD TOK

FRAME

Ref. No. or Q'ty Part No. SP Rescription

1-464-995-41 s CONVERTER, BC-BC (CB-89B)

1-466-158-12 s CONVERTER UNIT, DC-DC "DC/DC"

A1-546-066-21 s 1,5" CRT ASSY

1-940-619-11 o HARNESS. SUB (ADP)

CNR (to PS-162 BOARD) 1-562-149-11 o HGUSING, 4P

1-564-026-00 s CONTACT, FEMALE, AWG24-30

CN018 (to PB ADAPTOR) 1-563-971-11 s CONNECTOR (R-F)

1-563-970-11 o CONTACT, FEMALE, ANG26-30 CN21 (to MB-317P board)

1-563-878-11 o HOUSING, 20P 1-563-869-11 o CONTACT, FEMALE, AMG26-30

1-940-628-11 o HARNESS, SUB (KY)

CN1 (to KY-124 board)

1-565-129-11 o HOUSING 10P 1-565-163-11 o TERMINAL, SOLDERLESS

EN59 (to MB-317P board)

1-565-129-11 o HOUSING 10P 1-565-163-11 o TERMINAL, SOLDERLESS

1-945-970-11 s HARNESS (VF CABLE)

CN1 (to VF-32 board) 1-563-873-11 o HOUSING, 10P

1-563-869-11 o CONTACT, PEMALE, ANG26-30

CN2 (to LP-58 board)

1-565-121-11 o HOUSING, 2P 1-565-164-11 o CONTACT, PEMALE AWG26-28

CN2 (to SW-260A board) 1-565-121-11 o HOUSING, 2P

1-565-164-11 o CONTACT, FEMALE AMG26-28

8-759-947-34 s IC LM35DZ "TEMPERATURE SENSING"

1-136-189-00 s FILM 0.1uF 5% 250V

CN1 (DC/DC CONVERTER)

C001

1-562-152-11 o HOUSING, 7P 1-562-088-11 o CONTACT, FEMALE, ANG24-30

CN1 (to CN-400 board)

1-565-132-11 o HOUSING, 13P 1-565-164-11 o CONTACT, FEMALE AWG26-28

CN1 (to [F-298 board)

1-562-156-11 o HOUSING, 11P 1-563-088-11 o CONTACT, FEMALE, ANG24-30

CNI (to LD-21 board)

1-562-151-11 o HOUSING, 6P 1-564-026-00 s CONTACT, PEMALE, ANG24-30

CN1 (to PA-120 board)

1-562-151-11 o HOUSING, 6P 1-563-088-11 o CONTACT, FEMALE, AWG24-30

CN1 (to PS-162 board)

1-543-157-00 s BEAD, FERRITE

1-562-253-00 o HOUSING, 3P 1-562-260-21 o CONTACT, FEMALE ANG24-28

(FRAME)

Ref. No. or O'ty Part No. SP Description

CN1 (to SG-157 board) 1-565-123-11 o HOUSING, 4P 1-565-164-11 o CONTACT, FEMALE AWG26-28

CN1 (to SM-280 board) 1-562-150-11 o HOUSING, 5P 1-563-088-11 o CUNTACT, FEMALE, AMG24-30

CN1 (to SN-291 board) 1-562-147-11 o HOUSING, 2P 1-564-026-00 s CONTACT, FEMALE, AMG24-30

CN2 (to CN-400 board) 1-565-126-11 o HOUSING, CONNECTOR 7P 1-565-164-11 o CONTACT, FEMALE AWG26-28

CN2 (to IP-298 board) - 1-565-129-11 o HOUSING 10P 1-565-164-11 o CONTACT, FEMALE ANG26-28

CN2 (to PS-162 board) 1-543-157-00 s BEAD, FERRITE 1-562-255-00 o NOUSING, 5P 1-562-260-21 o CONTACT, FEMALE AWG24-28

CN2 (to SW-220 board) 1-562-743-11 o HOUSING, 10P 1-563-869-11 o CDNTACT, FEMALE, ANG26-30

CM2 (to TG-82P board) 1-562-150-21 o HOUSING, 5P 1-563-088-11 o CONTACT, FEMALE, AWG24-30

CN2 (to VF-32 board) 1-563-869-11 o CONTACT, FEMALE, ANG26-30 1-563-874-11 o BOUSING, 12P

CN3 (to DR-124 board) . 1-562-154-11 o HOWSING, 9P 1-563-088-11 o CONTACT, FEMALE, AMG24-30

CN3 (to PS-162 board) 1-562-148-11 o NOUSING, 3P 1-563-088-11 o CONTACT, PENALE, ANG24-30

CN3 (to IF-298 board) 1-565-133-11 o HOUSING, 14P 1-565-164-11 o CUNTACT, FEMALE AWG26-28

CN3 (to TG-82P board) 1-562-148-11 o HOUSING, 3P 1-563-088-11 o CONTACT, FEMALE, AWG24-30

CN3 (to VF-32 board) 1-562-149-11 o HOUSING, 4P 1-563-088-11 o CONTACT, FEMALE, ANG24-30

CN4 (to 1F-298 board) 1-565-133-11 o HOUSING, 14P 1-565-164-11 o CUNTACT, FEMALE ANG26-28

CN4 (to PS-162 board) 1-562-148-11 o BOUSING, 3P 1-563-088-11 o CONTACT, PEMALE, ANG24-30

Please see pages 13-52 and 13-53 for the part numbers of capacitors and resistors that are not listed in the parts list.

(FRAME)

Ref. No. or Q'ty Part No. SP Description

CN4 (to TS-82P board) 1-562-155-11 c HOUSING, 10P 1-563-088-11 c CONTACT, FEMALE, AWG24-30

CN5 (to IP-298 board) I-562-153-11 o HOUSING, 8P I-563-088-11 o CONTACT, FEMALE, AWG24-30

CN5 (to PS-162 board) 1-562-257-00 o HOUSING, 8P 1-562-260-21 o CONTACT, FEMALE, ANG24-28

CN6 (to TB-5 board) 1-569-199-11 o HDUSING, 6P 1-569-193-21 o CONTACT, FEMALE, AWG24-30

CN6 (to VF-32 board) 1-562-147-11 o HOUSING, 2P 1-563-088-11 o CONTACT, FEMALE, AWG24-30

CN7 (to PS-162 beard) 1-562-252-00 o HOUSING. 2P 1-562-256-21 o CONTACT, WEMALE

CN7 (to VF-32 board) 1-563-871-11 o HOUSING 6P 1-563-869-11 o CONTACT, PENALE, ANG26-30

CN8 (to TG-82P board) 1-562-148-11 o HOUSING, 3P 1-563-088-11 o CONTACT, FEMALE, AWG24-30

CNID (to PS-162 board) 1-562-254-00 o HOUSING, 4P 1-562-250-21 o CONTACT, PEMALE ANG24-28

CNIO (to TC-48A board) 1-569-139-11 o HOUSING, 6P 1-569-133-21 o CONTACT, FEMALE, AMG24-30

CN11 (to TC-48A board) 1-562-147-11 o HOUSING, 2P 1-564-026-00 s CONTACT, FENALE, AM624-30

CN22 (to M8-317P board) 1-543-298-11 s BEAD, FERRITE 1-563-869-11 o CONTACT, PEMALE, AWG26-30 1-563-874-11 o HOUSING, 12P

CN23 (to MB-317P board) 1-562-148-11 o HOUSING, 3P 1-564-026-00 s CONTACT, FEMALB, AMG24-30

CN24 (to MB-317P board) 1-562-150-11 o HOUSING, 5P 1-563-088-11 o CONTACT, FEMALE, ANG24-30

CN25 (to MB-317P board) 1-562-148-11 o HOUSING, 3P 1-563-088-11 o CONTACT, PEMALE, AMG24-30

CN50 (to MB-317P board) 1-563-875-11 o HOUSING, 14P 1-563-869-11 o CDMTACT, PEMALE, AWG26-30

BVW-400P(EK)

(FRAM	E)					(FRAME)				
Ref. or Q*	No. ty	Part No. SP E	Description			Ref. No. or Q'ty	Part No.	SP Descript	ion	
CN51	(to	MB-317P board) 1-563-875-11 o U 1-563-869-11 o C	HOUSING, 14P CONTACT, FEMALE,	AWG26-30		CN110F CN110M	1-561-518-00 1-560-372-00 1-562-855-11	o CONTACT, o HOUSING,	AWG22-28 IL-M 6P.	MALE
CN52	(to	MB-317P board) 1-562-151-11 o F 1-563-088-11 o C		AWG24-30		CN501 (t	1-564-092-11 o MB-317P boa 1-562-150-11	rd) o HOUSING,	5P	
CN53	(to	MB-317P board) 1-562-149-11 o F 1-563-088-11 o C	HOUSING, 4P CONTACT, PEMALE,	AWG24-30		CN502 (t	1-563-088-11 o MB-317P boa 1-562-151-11 1-563-088-11	rd) o HOUSING,	6P	
CN54	(to	MB-317P board) 1-563-876-11 o F 1-563-869-11 o C		AWG26-30		CN503 (t	o MB-317P boa 1-562-147-11 1-563-088-11	rd) o HDUSING,	2P	
en56	(to	MB-317P board) 1-562-147-11 o E 1-564-026-00 s C	HOUSING, 2P CONTACT, FEMALE,	AWG24-30		CN504 (t	o MB-317P boa 1-562-148-11		ZP.	
CN57		MB-317P board) 1-562-150-11 o E 1-563-088-11 o C	GOUSING, 5P CONTACT, FEMALE,	AW\$24-30		CN505 (t	1-563-088-11 o MB-317P boa	o CONTACT, rd)	FEMALE.	ANG24-30
CN58	(to	MB-317P board) 1-563-873-11 c E 1-563-869-11 c C		AMG26-30		CN506 (t	1-562-152-11 1-563-088-11 o MB-317P boa	o CONTACT.		AWG24-30
CN60		MB-317P board) 1-562-257-00 c H 1-562-260-21 c C		WG24-28			1-562-147-11 1-563-088-11 o MB-317P boa	o HOUSING, o CONTACT,		AWG24-30
CN61		MB-317P board) 1-562-148-11 c H 1-563-088-11 c C		ANG24-30			1-562-147-11 1-563-088-11 o MB-317P boa	o HOUSING, o CONTACT,	2P Female,	AW624-30
CN62		MB-317P board) 1-562-149-11 o H 1-563-088-11 o C	BUSING, 4P	AMC24_30			1-565-128-11 1-565-164-11	o HOUSING, o CONTACT,	9P Female,	ANG26-28
CN62	(Ło	MB-317P board) 1-562-148-11 o H 1-562-260-21 o C	TOUSING, 3P			CNOOS (C	0 MB-317P boa 1-562-147-11 1-563-088-11	o HOUSING,	2P Female,	ANG24-30
CN001 CN002		1-565-764-11 s C 1-561-233-21 s C 1-543-298-11 s B	CONNECTOR, 6P, FE			H001 H002 H003	8-825-749-02 8-825-560-40 8-825-772-61	s HEAD, CTL	RS-253-	21
CN004 CN005		1-564-603-11 s C	CONNECTOR WITH DO "Ext +124"			M001 M002	8-835-308-01 8-835-313-01	s MOTOR, DO s MOTOR, DO	LN18-S1 U-19A	NIB
CN006 CN007		1-563-029-21 s C 1-563-029-21 s C	CONNECTOR, 3P. PE	MALE "CH-1		R001 SP001	1-249-404-00		5% 1/4W	-
CNO11 CNO14 CNO15		1-563-029-21 s C 1-563-029-21 s C 1-565-764-11 s C 1-561-781-21 s C	CONNECTOR, 3P, PE CONNECTOR ASSY, E	MALE "NIC" NC "VIDEU I		SN002	1-553-448-00		OGGLE "P	OWER*
			TC LOCK VIDEO IN							

Please see pages 13-52 and 13-53 for the part numbers of capacitors and resistors that are not listed in the parts list.

CN016 CN017 CN101 CN102 1-561-781-11 s CONNECTOR, BNC, FEMALE "TC IN" 1-561-781-11 s CONNECTOR, BNC, FEMALE "TC OUT" 1-565-661-10 a CONNECTOR, FEMALE, 20P "VP" 1-562-221-21 s CONNECTOR, 12P, MALE "LEMS"

## 13-4. PACKING MATERIALS AND ACCESSORIES

# PACKING MATERIALS & SUPPLIED ACCESSORIES

Ref. No.

or Q'ty Part No. SP Description

1nc

A-6772-374-A s BELT ASSY, SHOULDER 3-698-917-01 o BELT, SHOULDER 1pc

A-7520-314-A o MOUNTED CIRCUIT BOARD, EX-148 1nc

1ec

X-3165-012-1 o PANEL, MAIN SWITCH DRNAMENTAL 3-724-734-01 o PANEL, MAIN SWITCH DRNAMENTAL Inc 1pc

3-742-034-01's RUBBER (EJ), DROP PROTECTION 3-742-035-01 o STOPPER, DRNAMENTAL PANEL 1pc

lec

1-542-099-11 s MICROPHONE 1pc 3-707-636-01 s SCREEN ASSY, WIND (CM-BVW200)

100 3-725-262-01 s COVER RAIN

#### 13-5 OPTIONAL FIXTURES

OPTIONAL FIXTURE

SP Description Part No.

J-6001-R20-A o DREW ECCENTRICITY GAUGE (3) J-6001-830-A o BRUM BCCENTRICITY GAUGE (2)

J-6026-100-A o RESOLUTION CHART

J-6026-130-A o GRAY SCALE CHART

J-6029-140-A o PATTERN BOX, PTB-500

I-6080-003-F END BACK TENSION MEASUREMENT CASSETTE

PLATE. PARALLEL J-6086-570-A

J-6152-450-A WIRE CLEARANCE CHECK GAUGE

J-6321-500-1 TAPE GUIDE ADJUSTMENT DRIVER

CASSETTE DUMNY COVER J-6321-880-A

TURQUE DRIVER BIT (FOR M1. 4) J-6325-110-A J-6325-360-A

PLATNESS CHECK TOOL

J-6325-380-A TORQUE DRIVER BIT (FOR M2) TORQUE DRIVER (FOR 3kg)

J-6325-400-A J-6325-530-A DRUM ECCENTRICITY GAUGE (6)

SERVO REMOTE CONTROL TOOL

J-6332-290-A J-6335-940-A REC CURRENT ADJUSTMENT TOOL

J-6335-730-A VIDEO SIGNAL INPUT BOARD

J-6335-740-A EXTENSION HARNESS 7-732-050-20 TENSION SCALE (50g FULL SCALE)

7-732-902-00 INSPECTION MIRROR

ALIGNMENT TAPE, CR8-18 PS ALIGNMENT TAPE, CR5-18 PS ALIGNMENT TAPE, CR5-1A PS 8-960-096-86 8-960-096-91

8-960-098-37

8-960-096-01 ALIGNMENT TAPE, CR2-1B PS

9-911-053-00 s THICKNESS GAUGE

BV#-400P(EX)

13-94

# SECTION 14 CHANGED PARTS

UP TO # 40022	\$ 40023 & UP
SG-152AP BOARD	
IC12 8-759-200-80 s IC TC4050BF	8-759-204-93 s IC TC 508001F
TC-48AP BOARD	
IC502 8-759-144-50 s IC CXD80429-346	8-759-146-73 s IC CXD80429-502
SV-97AP BOARD	
C137 NOT USED	1-163-097-00 s CERAMIC CHIP 15PF 5% 50V
IF-298 BOARD	
C31 NOT USBD	- 1-216-089-91 s RBS, CHIP 47K 5% 1/10W - NOT USED
MB-317P BOARD	1 210 230 00 0 0000 0000 0 000 17 100
R133 1-216-057-00 s RES, CHIP 2. 2K 5% 1/10M	- 1-216-063-00 s RPS CHIP 3 9K 5K 1/10W
PR-132 BOARD	
C96 1-102-951-00 s CAP. CERANIC 15PP 5W 50V C97, 98 1-102-951-00 s CAP. CERANIC 47PP 5W 50V IC3 1-808-254-11 s IC 5M-1251 2871 1-284-291 is CARBON 6RK 5S 1/4W R245 1-247-881-00 s CARBON 1285 5W 1/4W R245 1-247-881-11 s CARBON 75 5S 1/4W	- 1-163-243-11 s CERANIC CHIP 47PF 5% 50V - 1-809-236-11 s IC BH-1265 1-216-093-00 s RES, CHIP 68X 5% 1/10W - 1-216-099-00 s RES, CHIP 120K 5% 1/10W
VA-104 BOARD	
R3 1-216-051-00 s RES, CHIP 1, 2K 5% 1/10W	1-216-056-00 s RES, CHIP 2K 5% 1/10W
UP TO # 40034	‡ 40035 & UP
M8-317P BOARD	
C406 1-163-251-11 s CERAMIC 100PF 5% 50V 9501 8-729-100-66 s TRANSISTER 28C1623-L6	NOT USED 8-729-175-72 s TRANSISTOR 2SC2757-T33
TC-48AP BOARD	
IC503 8-752-808-43 s IC CXP80116-0750	8-752-810-17 s IC CMP80116-6170
VA-104 BOARD	
C118, 119 NOT USBD	1-162-901-11 s CERAMIC 0, 1 #F 10% 50V

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# 40054 & UP
 UP TO # 40053
 SG-152AP BOARD
 IC14 8-759-602-78 s IC M5236L 8-759-632-07 s IC M5237L
 TC-48AP BOARD
HP TO # 40080
                                                                                                                                                                                                          # 40081 & UP
  IF-298 BOARD
 R32 1-216-049-00 s RES, CHIP 1K 5% 1/10W 1-216-057-00 s RES, CHIP 2. 2K 5% 1/10

C32 NOT USED 1-136-153-00 s MYLAR, 0.01@F 5% 50V
                                                                                                                                                                                                   -- 1-216-057-00 s RES, CHIP 2.2K 5% 1/10W
  C32
                   NOT USED
                                                                                                                                                                                                          $ 40141 & UP
  UP TO ± 40140
  PR-132 BOARD
  THI, 2, 3 1-806-627-31 s THERMISTOR, POSITIVE IK ...... 1-806-627-41 s TERMISTOR, POSITIVE 1K
  TC-48AP BOARD
   R611.612.639 1-247-791-11 s CARBON 22 5% 1/4W ------------ 1-249-397-11 s CARBON 22 5% 1/4W
  R641.642 1-247-783-11 s CARBON 10 5% 1/4W 1-249-393-11 s CARBON 10 5% 1/4W
                                                                                                                                                                                                          # 40200 & UP
  UP TO # 40199
   VA-104 ROARD
  C1, 24, 48 \,^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{1} ^{
   COI, 92 NOT USED 1-163-134-00 s CERAMIC CHIP 360P
COI NOT USED 1-163-130-00 s CERAMIC CHIP 360P
  C116 1-131-370-00 s CAP, TANTALUM 6, 8 10% 10% ONT USED C117 1-131-375-00 s CAP, TANTALUM 4, 7 10% 10V NOT USED
   C117 1-131-373-00 S CR7 HAMAGUM 6.7 LWF 10% 50V 807 USED 118, 119 1-162-901-11 S CERAMIC 0.1 MF 10% 50V 807 USED 8-719-104-22 S DIODE 1SS123
  | 0-119-104-22 S DIUDE ISSIZES | 12-38 - 729-102-63 S TRANSISTOR 28A1226 S - 8-729-403-28 S TRANSISTOR W6534 | 26 13.04 8-729-122-63 S TRANSISTOR 28A1225 S - 8-729-403-29 S TRANSISTOR W6455 S - 14.25 8-729-24-62 2 S TRANSISTOR 28A121 S - 8-729-403-29 S TRANSISTOR W6455 S - 14.26 8-729-173-72 S TRANSISTOR 38A121 S - 8-729-403-29 S TRANSISTOR W6435 S - 14.26 8-729-4
                                 8-729-122-63 s TRANSISTOR 28A1226-B4 NOT USED
8-729-175-72 s TRANSISTOR 28C2757-T33 NOT USED
  Q46
   047
                                                                                                                                               8-729-175-72 s TRANSISTOR 2SC2757-T33
   Q51, 52, 53 NOT USED ...
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	6-071-00 s R6S, CHI 6-059-00 s R6S, CHI							
UP 10 \$ 4	0603			<b>\$ 4</b> 0604 8	t UP			
DR-124 BB	ARD							
R42, 46, 49	1-216-073-00 s %	ES. CHIP 10K 5	K 1/10W	1-216-075	5-00 s	RBS, CHIP	12K 5%	1/10W
EN-79 BDA	RD ·							
R71	1-216-655-11 s N	ETAL CHIP 1.5	K 0.5% 1/10W	1-216-653	3-91 s	METAL CH	IP 1, 2K	), 5% 1/10W
18-30AP B	OARD							
R121 R122, 123 R159	1-216-067-00 s R 1-216-029-00 s R 1-216-057-00 s R	ES, CHIP 150 5	X 1/10W	1-216-037	7-00 s	RES, CHIP	330 5%	E/10W
UP TO # 4	0653			<b>\$ 4</b> 0654 &	a UP			
FRAME								
CN6 (to T	B-5 BOARD) 1-562-151-11 o h 1-564-026-00 s (	OUSING, 6P CONTACT, PEMAL	E, AWG24-30	··· 1-569-199 ··· 1-569-199	9-11 o 3-11 o	HOUSING, CONTACT,	6P Female,	ANG24-30
CNIO (to	TC-48AP BOARD) 1-562-151-11 o E 1-564-026-00 o C	HOUSING, 6P ··· CONTACT, PEMAL	E, AWG24-30	1-569-195 1-569-195	9-11 o 3-21 o	HOUSING, CONTACT,	6P Female,	ANG24-30
				14-4				

C137 1-163-097-00 s CERAMIC 15PF 5% 25V ....... 1-163-109-00 s CERAMIC 47PF 5% 50V

R16, 60, 106 1-216-631-11 s METAL CHIP 150 0.5% 1/10M ···· 1-216-627-91 s METAL CHIP 100 0.5% 1/10M R11, 55, 101 1-216-673-91 s METAL CHIP 8.2K 1% 1/10M ···· 1-216-670-91 s METAL CHIP 6.2K 1% 1/10M

R67 1-216-033-00 s RES, CHIP 220 5% 1/10W ...... 1-216-031-00 s RES, CHIP 180 5% 1/10W

\$ 40490 & UP

C36 1-135-070-00 s CAP, CHIP TANTALUM 0.1 10% 35V ..... NOT USED IC10 8-759-906-53 s IC TL062CPS 8-759-100-94 s IC #PC358G2

SV-97AP BOARD

VA-104 BOARD

UP TO \$ 40489 AT-49A BOARD

VF-32 BOARD

SG-152AP BOARD